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OM nucleic - nucleic search, using sw model

Run on: November 27, 2005, 10:29:10 : Search time 254.954 Seconds
(without alignments)
8296.792 Million cell updates/sec

Title: US-09-391-861-1

Perfect score: 1190

Sequence: 1 gagagatccagccggaagagag.....aaaaaaaaaaaaaaaaaaaa 1190

Scoring table:

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/1/COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5/COMB.seq:*
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9: /cgn2_6/ptodata/1/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1190	100.0	1190	US-09-390-207-1	Sequence 1, Appli
2	641.4	53.9	643	US-09-715-805-3	Sequence 3, Appli
3	434	36.5	477	US-09-621-976-1353	Sequence 1353, Ap
4	401.8	33.8	649	US-09-390-207-3	Sequence 3, Appli
5	401.8	33.8	659	US-09-715-805-1	Sequence 1, Appli
6	401.8	33.8	659	US-09-885-483B-6	Sequence 6, Appli
7	113.8	9.6	1097	US-09-832-129-21	Sequence 21, Appli
8	95.4	8.0	1696	US-09-835-811-1	Sequence 1, Appli
9	93.4	7.8	6409	US-09-967-908A-1	Sequence 1, Appli
10	93.4	7.8	6409	US-10-159-151-1	Sequence 1, Appli
11	93	7.8	2038	US-09-885-723-6	Sequence 6, Appli
12	92.2	7.7	2082	US-08-785-310A-2	Sequence 2, Appli
13	91.4	7.7	396	US-09-640-173-53	Sequence 53, Appli
14	91.4	7.7	396	US-09-713-550-53	Sequence 53, Appli
15	91.4	7.7	396	US-09-825-294-53	Sequence 53, Appli
16	91.4	7.7	396	US-09-970-966-53	Sequence 53, Appli
17	90.8	7.6	550	US-09-010-147B-5	Sequence 5, Appli
18	90.6	7.6	140224	US-09-949-016-17002	Sequence 17002, A
19	90.4	7.6	1734	US-10-012-231A-51	Sequence 51, Appli
20	90.4	7.6	1734	US-10-015-389A-51	Sequence 51, Appli
21	90.4	7.6	1734	US-10-006-768A-51	Sequence 51, Appli
22	90.4	7.6	1734	US-10-015-671A-51	Sequence 51, Appli
23	90.4	7.6	1734	US-10-015-393A-51	Sequence 51, Appli
24	90.4	7.6	1734	US-10-011-833A-51	Sequence 51, Appli

25	90.4	7.6	1734	3	US-10-006-041A-51	Sequence 51, Appli
26	90.4	7.6	1734	3	US-10-012-064A-51	Sequence 51, Appli
27	90.2	7.6	237510	3	US-09-949-016-14273	Sequence 14273, A
28	89.6	7.5	601	3	US-09-949-016-48520	Sequence 48520, A
29	89.6	7.5	882	3	US-09-311-021-107	Sequence 107, App
30	89.6	7.5	2186	3	US-09-360-545-66	Sequence 66, Appli
31	89.4	7.5	194	3	US-09-621-976-9596	Sequence 9596, Ap
32	89.4	7.5	2246	3	US-09-363-708-3	Sequence 3, Appli
33	89.4	7.5	2246	3	US-09-083-587-3	Sequence 3, Appli
34	89.2	7.5	1738	3	US-09-918-909A-27	Sequence 27, Appli
35	89	7.5	396	3	US-09-640-173-33	Sequence 33, Appli
36	89	7.5	396	3	US-09-713-550-33	Sequence 33, Appli
37	89	7.5	396	3	US-09-825-294-33	Sequence 33, Appli
38	89	7.5	396	3	US-09-970-966-33	Sequence 33, Appli
39	89	7.5	441	3	US-09-601-537-10	Sequence 10, Appli
40	89	7.5	4121	3	US-09-601-537-9	Sequence 9, Appli
41	88.8	7.5	371	3	US-09-621-976-16048	Sequence 16048, A
42	88.8	7.5	2846	3	US-09-991-181-230	Sequence 230, App
43	88.8	7.5	2846	3	US-09-990-444-230	Sequence 230, App
44	88.8	7.5	2846	3	US-09-997-333-230	Sequence 230, App
45	88.8	7.5	2846	3	US-09-992-598-230	Sequence 230, App

ALIGNMENTS

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RESULT 1
US-09-390-207-1
: Sequence 1, Application US/09390207
: Patent No. 6504530
: GENERAL INFORMATION:
: APPLICANT: Thomason, Arlen
: TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
: FILE REFERENCE: 99-371
: CURRENT FILING DATE: 1999-09-07
: NUMBER OF SEQ ID NOS: 41
: SOFTWARE: Patentin Ver. 2.0
: SEQ ID NO 1
: LENGTH: 1190
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (142)..(771)
US-09-390-207-1

Query Match      100.0%; Score 1190; DB 3; Length 1190;
Best Local Similarity 100.0%; Pred. No. 2.4e-219;
Matches 1190; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGGATCCAGCCGGAAGAGAGCCAGGCACTGAGCTTACTTACTCCTGGACA 60
DB      1 GAGGATCCAGCCGGAAGAGAGCCAGGCACTGAGCTTACTTACTCCTGGACA 60

QY      61 ACTGGAATCTGGACCACTTCTAAACCACTGAGCTTCTCGAGCTCACACCCGAGATC 120
DB      61 ACTGGAATCTGGACCACTTCTAAACCACTGAGCTTCTCGAGCTCACACCCGAGATC 120

QY      121 ACCGAGAGACCCGACCACTTGAAGTCTCGAGAGACCGGTTCCGAGCACTCAGGACTG 180
DB      121 ACCGAGAGACCCGACCACTTGAAGTCTCGAGAGACCGGTTCCGAGCACTCAGGACTG 180

QY      181 TGGATTCTGTGCTGCTGCTGCTTCTTCTGCTGGAGCTTCCAGGACACACCCATCCTGAC 240
DB      181 TGGATTCTGTGCTGCTGCTGCTTCTTCTGCTGGAGCTTCCAGGACACACCCATCCTGAC 240

QY      241 TCCAGTCTCTCTCTGCAATTCGGGGGCAAGTCCGAGCGGTACTTACACAGATGAT 300
DB      241 TCCAGTCTCTCTCTGCAATTCGGGGGCAAGTCCGAGCGGTACTTACACAGATGAT 300

QY      301 GCCAGAGACAGACGAAGCCCACTGAGAGATCAGGAGAGATGGACCGGTGGGGGGCTGCT 360
DB      301 GCCAGAGACAGACGAAGCCCACTGAGAGATCAGGAGAGATGGACCGGTGGGGGGCTGCT 360
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Db 301 GCCCAGCAGACAGAAAGCCCACTGAGATCAGAGAGATGGACGGTGGAGGCGCTGCT 360
Qy 361 GACACAGAGCCCGAAAGTCTCTGAGCTGAAAGCCTTGAAGCCGGAGATTATTCAAATC 420
Db 361 GACACAGAGCCCGAAAGTCTCTGAGCTGAAAGCCTTGAAGCCGGAGATTATTCAAATC 420
Qy 421 TTGGAGATCAAGACATCCAGGTCTCTGTCAGCGGACAGATGGGCGCTGATGATG 480
Db 421 TTGGAGATCAAGACATCCAGGTCTCTGTCAGCGGACAGATGGGCGCTGATGATG 480
Qy 481 CTCACCTTGAACCTTGAGGCTTGACGCTTCCGGAGCTGCTTCTTGAGACGATACAT 540
Db 481 CTCACCTTGAACCTTGAGGCTTGACGCTTCCGGAGCTGCTTCTTGAGACGATACAT 540
Qy 541 GTTTACCAAGTCCGAAGCCCAAGGCTCCCGCTGACCTGACCTGACGAGAACAGTCCCAAC 600
Db 541 GTTTACCAAGTCCGAAGCCCAAGGCTCCCGCTGACCTGACCTGACGAGAACAGTCCCAAC 600
Qy 601 CGGAGACCTGACCTGACGAGACCAAGCTGCTTCTGCACTACCAAGGCTGCCCCGCA 660
Db 601 CGGAGACCTGACCTGACGAGACCAAGCTGCTTCTGCACTACCAAGGCTGCCCCGCA 660
Qy 661 CCCCCGAGACCAAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 720
Db 661 CCCCCGAGACCAAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 720
Qy 721 CTGAGATGATGAGACCTTCCAGGCGGAAAGCCCAAGCTGAGCTGAGCTGAGCTGAGCT 780
Db 721 CTGAGATGATGAGACCTTCCAGGCGGAAAGCCCAAGCTGAGCTGAGCTGAGCTGAGCT 780
Qy 781 CTGTTACTATGACATCTCTCTTATTTATTTATTTATTTATTTATTTATTTATTTAT 840
Db 781 CTGTTACTATGACATCTCTCTTATTTATTTATTTATTTATTTATTTATTTATTTAT 840
Qy 841 TTTTCTTACTGATATTAATAAGTTCAGAGAGAGATTAAGATGAGATGATGATG 900
Db 841 TTTTCTTACTGATATTAATAAGTTCAGAGAGAGATTAAGATGAGATGATGATG 900
Qy 901 TCTGAGGAGAGACATGACAGCTGTTTGTCTCCCTTGGCCGAGCAATCTCCCTACACC 960
Db 901 TCTGAGGAGAGACATGACAGCTGTTTGTCTCCCTTGGCCGAGCAATCTCCCTACACC 960
Qy 961 TCCCTCAGAGTCCGAGGCTCTGAGCTTCCCACTGAGGCTCACTTTTCTTTCTTT 1020
Db 961 TCCCTCAGAGTCCGAGGCTCTGAGCTTCCCACTGAGGCTCACTTTTCTTTCTTT 1020
Qy 1021 TCTTTCTTTTGTGAGACGAGCTGCTGCTGCACTCCAGCCCAAGCCAGAGGAG 1080
Db 1021 TCTTTCTTTTGTGAGACGAGCTGCTGCTGCACTCCAGCCCAAGCCAGAGGAG 1080
Qy 1081 ATTCCATCTCAAAAATAATTAATAATTAATAATTAATAATTAATAATTAATAATTA 1140
Db 1081 ATTCCATCTCAAAAATAATTAATAATTAATAATTAATAATTAATAATTAATAATTA 1140
Qy 1141 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1190
Db 1141 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1190

RESULT 2
US-09-715-805-3
/ Sequence 3, Application US/09715805
/ Patent No. 6716626
/ GENERAL INFORMATION:
/ APPLICANT: Itoh, No. 6716626yuki
/ TITLE OF INVENTION: HUMAN GGF-21 GENE AND GENE EXPRESSION
/ FILE REFERENCE: PP-16758.001/201130.408
/ CURRENT APPLICATION NUMBER: US/09715,805
/ NUMBER OF SEQ ID NOS: 17
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SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 643
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (9)...(638)
US-09-715-805-3
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Query Match 53.9%; Score 641.4; DB 3; Length 643;
Best Local Similarity 99.8%; Pred. No. 3, 8e-114;
Matches 642; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 134 AGCCATTGATGAGCTCCGAGAGACCGGGTTTCAGACACTGAGACTGTGGTTTCTGTC 193
Db 1 AGCCATTGATGAGCTCCGAGAGACCGGGTTTCAGACACTGAGACTGTGGTTTCTGTC 60
Qy 194 TGGCTGATCTTCTGCTGGAGCTGCGACGACACCCCATCCCTGACTTCAATCTTCTTC 253
Db 61 TGGCTGATCTTCTGCTGGAGCTGCGACGACACCCCATCCCTGACTTCAATCTTCTTC 120
Qy 254 TGCATTTGCGGGGCAAGTCCGAGGCTTACCTTACACAGATGATCCGAGAGACAG 313
Db 121 TGCATTTGCGGGGCAAGTCCGAGGCTTACCTTACACAGATGATCCGAGAGACAG 180
Qy 314 AAGCCCACTGAGATCAGGAGATGGGACGATGGGGGGGCTGACCAAGACCCG 373
Db 181 AAGCCCACTGAGATCAGGAGATGGGACGATGGGGGGGCTGACCAAGACCCG 240
Qy 374 AAAGTCTCTGAGCTGAAGAGCTTGAAGCCGGAGATTATTAATTTGGAGTCAAGA 433
Db 241 AAAGTCTCTGAGCTGAAGAGCTTGAAGCCGGAGATTATTAATTTGGAGTCAAGA 300
Qy 434 CATTCAGATCTCTGCTGACGCGGACATGGGCGCTGATGATGCTGCTTGAAC 493
Db 301 CATTCAGATCTCTGCTGACGCGGACATGGGCGCTGATGATGCTGCTTGAAC 360
Qy 494 CTGAGGCTTGAAGCTTCCGAGAGCTGCTTGAAGAGAGATTAATGTTTACCAATCCG 553
Db 361 CTGAGGCTTGAAGCTTCCGAGAGCTGCTTGAAGAGAGATTAATGTTTACCAATCCG 420
Qy 554 AAGCCCAAGGCTTCCGCTGACCTGACCTGACAGGACCAAGTCCCAACCGGGAGCCCTGAC 613
Db 421 AAGCCCAAGGCTTCCGCTGACCTGACCTGACAGGACCAAGTCCCAACCGGGAGCCCTGAC 480
Qy 614 CCGAGAGACAGCTGCTTCTGCTGACCTGACAGGCTGCTGCTGCTGCTGCTGCTGCT 673
Db 481 CCGAGAGACAGCTGCTTCTGCTGACCTGACAGGCTGCTGCTGCTGCTGCTGCTGCT 540
Qy 674 CCGAAATCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 733
Db 541 CCGAAATCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Qy 734 GACCTTCCAGGCGGAAAGCCCAAGCTAGCTTCTGTAAGCA 776
Db 601 GACCTTCCAGGCGGAAAGCCCAAGCTAGCTTCTGTAAGCA 643
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RESULT 3
US-09-621-976-1353
/ Sequence 1353, Application US/09621976
/ Patent No. 6639063
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J. B.
/ APPLICANT: Jobert, S.
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins.
/ FILE REFERENCE: GENSET 054PR2
/ CURRENT APPLICATION NUMBER: US/09/621,976
/ NUMBER OF SEQ ID NOS: 19335
/ SOFTWARE: Patent.pm
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; SEQ ID NO 1353
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 169..423
; NAME/KEY: big_peptide
; LOCATION: 169..252
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 11.3000001907349
; OTHER INFORMATION: seq SVLA6LLGACCA/HP
; NAME/KEY: misc_feature
; LOCATION: 207
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1353

Query Match      36.5%; Score 434; DB 3; Length 477;
Best Local Similarity 98.0%; Pred. No. 2.2e-74;
Matches 442; Conservative 6; Mismatches 2; Indels 1; Gaps 1;

QY 1 GAGATCCAGCCGAAAGAGAGAGCCAGCTCAGGCCACTGAGTTACTACCTTGACA 60
DB 28 GAGATCCAGCCGAAAGAGAGAGCCAGCTCAGGCCACTGAGTTACTACCTTGACA 87
QY 61 ACTGGAACTCTGGCAACCAATTTTAAACCACTGAGTTCTCCGAGCTCAACCCCGGAGATC 120
DB 88 ACTGGAACTCTGGCAACCAATTTTAAACCACTGAGTTCTCCGAGCTCAACCCCGGAGATC 147
QY 121 ACCTGAGAGCCGAGCCAGCTTATGATGACTCGAGAGAGAGCCGGGTTTGAGCACTCAGAGACTG 180
DB 148 ACCTGAGAGCCGAGCCAGCTTATGATGACTCGAGAGAGAGCCGGGTTTGAGCACTCAGAGACTG 207
QY 181 TGGGTTTCTGTGCTGCTGCTGCTTCTGCTGAGAGCCCTGCGAGCAACCCCATCCCTGAC 240
DB 208 TGGGTTTCTGTGCTGCTGCTGCTTCTGCTGAGAGCCCTGCGAGCAACCCCATCCCTGAY 267
QY 241 TCCAGTCTCTCTCCCTGCAATTTGGGGGGCCCAAGTCCGGGAGCCGCTACCTTACACAGATGAT 300
DB 268 TCCAGTCTCTCTCCCTGCAATTTGGGGGGCCCAAGTCCGGGAGCCGCTACCTTACACAGATGAT 327
QY 301 GCCCAGAGAGAGAGCCCACTGAGATCAGAGAGATGAGAGAGATGAGAGAGATGAGAGATGAT 360
DB 328 GCCCAGAGAGAGAGCCCACTGAGATCAGAGAGATGAGAGAGATGAGAGAGATGAGAGATGAT 387
QY 361 GACCAAGAGCCCGAAAGTCTCTGCACTGAAAGCCTTGAACCGGAGATTATCAATC 420
DB 388 GACCAAGAGCCCGAAAGTCTCTGCACTGAAAGCCTTGAAGCGGAGATTATCAATC 446
QY 421 TTGGGAGTCAAGACATCCAGGTTCTGTGCC 451
DB 447 TTGGGAGTCAAGACATCCAGGTTCTGTGCC 477

RESULT 4
US-09-390-207-3
; Sequence 3, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomason, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390, 207
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 649
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
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; LOCATION: (1)...(630)
US-09-390-207-3

Query Match      33.8%; Score 401.8; DB 3; Length 649;
Best Local Similarity 80.7%; Pred. No. 3.5e-68;
Matches 469; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 191 TGCCTGGCTGCTCTTCTCTGAGAGCTTGGCAGGACACCCCATCCGACTCCAGTCTCTC 250
DB 53 TGCCTGGCTGCTCTTCTCTGAGAGCTTGGCAGGACATCCCATCTCTGACTCCAGCCCC 112
QY 251 TCCCTGCAATTCGGGGGCAAGTCCGAGCGGTACTCTACACAGATGATGCCAGAGAGA 310
DB 113 TCCCTGCAATTCGGGGGCAAGTCCGAGCGGTACTCTCTACACAGATGATGCCAGAGAGA 172
QY 311 CAGAGCCCACTGAGATCAGGAGATGAGAGAGTGGAGCGTGGGGGCGCTGAGCAGAGCC 370
DB 173 CTGAAAGCCCACTGAGATCAGGAGATGAGAGAGTGGAGCGTGGGGGCGCTGAGCAGAGCC 232
QY 371 CCGAAAGCTCTGAGAGCTGAAAGCCTTGAAGCCGGGAGTTATTAATCTTGGAGTCA 430
DB 233 CAGAAAGCTCTGAGAGCTGAAAGCCTTGAAGCCGGGAGTTATTAATCTTGGAGTCA 292
QY 431 AGACATCAGGTTCTGCTGCGAGCGCCAGATGAGGCGCTGTATGATCGCTCCACTTTG 490
DB 293 AAGCTCTAGGTTCTTCTGCGAGCGCCAGATGAGGCGCTGTATGATCGCTCCACTTTG 352
QY 491 ACCCTGAGGCTCTGAGCTTCCGGAGAGCTGCTTTTGAAGAGATGATGATTTTACAGT 550
DB 353 ATCTTGAGGCTCTGAGCTTCCAGAGAACTGCTGCTGAGAGAGGTTTACATGTTACAGT 412
QY 551 CCGAAGCCCAAGGCTCTCCGCTGCACTGCGAGGAACTGCTCCCAACCGGAGACCTTG 610
DB 413 CTGAAGCCCAAGGCTCTCCGCTGCACTGCGAGGAACTGCTCCCAACCGGAGATCAA 472
QY 611 CACCCGAGAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 670
DB 473 CATCTGAGGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532
QY 671 CACCCGAGAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 730
DB 533 AAGCAGGATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 592
QY 731 TGGGAGCTTCCAGAGGCGGAGAGCCCAAGCTTACGTTCTCTGA 771
DB 593 TAGAGCTTTACAGAGGCGGAGAGCCCAAGCTTACGTTCTCTGA 633

RESULT 5
US-09-715-805-1
; Sequence 1, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626uyuki
; APPLICANT: Kawanaugh, W. Michael
; TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130, 408
; CURRENT APPLICATION NUMBER: US/09/715, 805
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatsSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (14)...(646)
US-09-715-805-1

Query Match      33.8%; Score 401.8; DB 3; Length 659;
Best Local Similarity 80.7%; Pred. No. 3.6e-68;
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Matches 469; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 191 TGCCTGGTGGTCTTCTGCTGGAGCTGCGAGGACACCCCATCCCTGACTCCAGTCTC 250

Db 66 TGCCTGGTGGTCTTCTGCTGGAGCTGCGAGGACACCCCATCCCTGACTCCAGTCTC 125

QY 251 TCCCTGCAATTCGGGGGGGCAAGTCCGGAGCGGTACCTTACAGATGATGTCGCCAGCA 310

Db 126 TCCCTGCAATTCGGGGGGGCAAGTCCGGAGCGGTACCTTACAGATGATGTCGCCAGCA 185

QY 311 CAGAAAGCCCACTGAGATCAGGAGAGATGGAACGGTGGGGGGCGCTGCTGACCAAGCC 370

Db 186 CTGAAGCCCACTGAGATCAGGAGAGATGGAACAGTGGTAGGGCGAGACACCCGAGTC 245

QY 371 CCGAAAGTCTCTGAGCTGAAAGCCTTGAAGCCGGAGTTATCAATCTTGGAGTCA 430

Db 246 CAGAAAGTCTCTGAGCTGAAAGCCTTGAAGCCGGAGTTATCAATCTTGGAGTCA 305

QY 431 AGACATCAGATTCTGTGCGACGCGCAGATGGGGCCCTGTATGATGCTCCACTTTG 490

Db 306 AAGCCTTAGATTCTTGTGCAACAGCGAGATGAGCTCTTATGATGCTCCACTTTG 365

QY 491 ACCCTGAGGCTGAGCTTCCGGAGCTGCTTCTTGAAGCGGATTAACAGT 550

Db 366 ATCTGAGGCTGAGCTTCCGGAGCTGCTTCTTGAAGCGGATTAACAGT 425

QY 551 CCGAAAGCCCAAGCTCCCGCTGACCTGCGAGGAAACAAGTCCCGACCGGGACCTTG 610

Db 426 CTGAAGCCCAAGCTCCCGCTGACCTGCGAGGAAACAAGTCCCGACCGGGACCTTG 485

QY 611 CACCCGAGAGACAGTGTCTTCTGCACTACAGGCTTGCCCCCGACCCCGAGC 670

Db 486 CATCTGGGAGACTGTGCGCTTCTGCGCATGCGAGGCTGCTCAAGCCCAAGACC 545

QY 671 CACCCGAAATCTTGCCCCCGACCGGAGTGGGCTCTCCGACCTCTGAGCATGG 730

Db 546 AAGCAGAGATTCTGCCCCCGAGGCCCCCAAGTGGGCTCTCTGAGCCCCCTGAGCATGG 605

QY 731 TGGGACTTTCAGGGGCGGAAAGCCCAAGCTACGCTTCTGTA 771

Db 606 TAGAGCTTTACAGGGGCGGAAAGCCCAAGCTATGGCTCTGTA 646

RESULT 6

US-09-665-493B-6

/ Sequence 6, Application US/09665493B

/ Patent No. 6943153

/ GENERAL INFORMATION:

/ APPLICANT: Manning, William C., Jr.

/ APPLICANT: Dwariki, Varavani J.

/ APPLICANT: Rendahl, Katherine

/ APPLICANT: Zhou, Shang-Zhen

/ APPLICANT: McGee, Laura H.

/ APPLICANT: Lau, Dana

/ APPLICANT: Flannery, John G.

/ APPLICANT: Wang, Fei

/ APPLICANT: Di Polo, Adriana

/ TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS

/ TITLE OF INVENTION: FOR TREATING OR PREVENTING DISEASES OF THE EYE

/ FILE REFERENCE: P1588.005 (20263.40)

/ CURRENT APPLICATION NUMBER: US/09/665,493B

/ NUMBER OF SEQ ID NOS: 12

/ SOFTWARE: PasteSeq for Windows Version 4.0

/ SEQ ID NO 6

/ LENGTH: 659

/ TYPE: DNA

/ ORGANISM: Homo sapien

US-09-665-493B-6

Query Match 33.8%; Score 401.8; DB 3; Length 659;

Best Local Similarity 80.7%; Pred. No. 3.6e-68;

Matches 469; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 191 TGCCTGGTGGTCTTCTGCTGGAGCTGCGAGGACACCCCATCCCTGACTCCAGTCTC 250

Db 66 TGCCTGGTGGTCTTCTGCTGGAGCTGCGAGGACACCCCATCCCTGACTCCAGTCTC 125

QY 251 TCCCTGCAATTCGGGGGGGCAAGTCCGGAGCGGTACCTTACAGATGATGTCGCCAGCA 310

Db 126 TCCCTGCAATTCGGGGGGGCAAGTCCGGAGCGGTACCTTACAGATGATGTCGCCAGCA 185

QY 311 CAGAAAGCCCACTGAGATCAGGAGAGATGGAACGGTGGGGGGCGCTGCTGACCAAGCC 370

Db 186 CTGAAGCCCACTGAGATCAGGAGAGATGGAACAGTGGTAGGGCGAGACACCCGAGTC 245

QY 371 CCGAAAGTCTCTGAGCTGAAAGCCTTGAAGCCGGAGTTATCAATCTTGGAGTCA 430

Db 246 CAGAAAGTCTCTGAGCTGAAAGCCTTGAAGCCGGAGTTATCAATCTTGGAGTCA 305

QY 431 AGACATCAGATTCTGTGCGACGCGCAGATGGGGCCCTGTATGATGCTCCACTTTG 490

Db 306 AAGCCTTAGATTCTTGTGCAACAGCGAGATGAGCTCTTATGATGCTCCACTTTG 365

QY 491 ACCCTGAGGCTGAGCTTCCGGAGCTGCTTCTTGAAGCGGATTAACAGT 550

Db 366 ATCTGAGGCTGAGCTTCCGGAGCTGCTTCTTGAAGCGGATTAACAGT 425

QY 551 CCGAAAGCCCAAGCTCCCGCTGACCTGCGAGGAAACAAGTCCCGACCGGGACCTTG 610

Db 426 CTGAAGCCCAAGCTCCCGCTGACCTGCGAGGAAACAAGTCCCGACCGGGACCTTG 485

QY 611 CACCCGAGAGACAGTGTCTTCTGCACTACAGGCTTGCCCCCGACCCCGAGC 670

Db 486 CATCTGGGAGACTGTGCGCTTCTGCGCATGCGAGGCTGCTCAAGCCCAAGACC 545

QY 671 CACCCGAAATCTTGCCCCCGACCGGAGTGGGCTCTCCGACCTCTGAGCATGG 730

Db 546 AAGCAGAGATTCTGCCCCCGAGGCCCCCAAGTGGGCTCTCTGAGCCCCCTGAGCATGG 605

QY 731 TGGGACTTTCAGGGGCGGAAAGCCCAAGCTACGCTTCTGTA 771

Db 606 TAGAGCTTTACAGGGGCGGAAAGCCCAAGCTATGGCTCTGTA 646

RESULT 7

US-09-832-129-21

/ Sequence 21, Application US/09832129

/ Patent No. 693691

/ GENERAL INFORMATION:

/ APPLICANT: Fiselila et al.

/ TITLE OF INVENTION: 19 Human secreted proteins

/ FILE REFERENCE: P2045P1

/ CURRENT APPLICATION NUMBER: US/09/832,129

/ CURRENT FILING DATE: 2001-04-11

/ PRIOR APPLICATION NUMBER: PCT/US00/28664

/ PRIOR FILING DATE: 2000-10-17

/ PRIOR APPLICATION NUMBER: 60/163,085

/ PRIOR FILING DATE: 1999-11-02

/ PRIOR APPLICATION NUMBER: 60/172,411

/ PRIOR FILING DATE: 1999-12-17

/ NUMBER OF SEQ ID NOS: 70

/ SOFTWARE: PatentIn Ver. 2.0

/ SEQ ID NO 21

/ LENGTH: 1097

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-832-129-21

Query Match 9.6%; Score 113.8; DB 3; Length 1097;

Best Local Similarity 87.9%; Pred. No. 7.3e-13;

Matches 124; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1050 CTCGCACTCCAGCCGAGCCAGAGCGAGATTCATCTCAAAAAATTAATTAATAA 1109

|||||

Db 938 CACTGACATCGAGCTGAGACGAGGAGCTCATCTCAAAAAAAAAAAAAAAAAAAAA 997
Qy 1110 TAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1169
Db 998 AA 1057
Qy 1170 AA 1190
Db 1058 AA 1078

RESULT 8
US-09-835-811-1

; Sequence 1, Application US/09835811
; Patent No. 6482936
; GENERAL INFORMATION:
; APPLICANT: HU, Song et al
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: C10012228
; CURRENT APPLICATION NUMBER: US/09/835,811
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1696
; TYPE: DNA
; ORGANISM: Human
US-09-835-811-1

Query Match 8.0%; Score 95.4; DB 3; Length 1696;
Best Local Similarity 72.8%; Pred. No. 2.8e-09;
Matches 123; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

Qy 1022 CTTTCTTTTGTGAGACGAGTCTGCTCTGCACTCCAGCCAGGCGACAGAGGAGA 1081
Db 1439 CTTTCATGTAATTCCTCAAGTAGTGTGTGTGACCTGTCCCTCCCAAGATTAAAG 1498
Qy 1082 TTCCATCTCAAAAAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1141
Db 1499 ATCAGCTGATAGATTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1558
Qy 1142 AA 1190
Db 1559 AA 1607

RESULT 9

US-09-967-908A-1
; Sequence 1, Application US/09967908A
; Patent No. 6514738
; GENERAL INFORMATION:
; APPLICANT: Cycokinetics, Inc.
; APPLICANT: Beraud, Christopher
; APPLICANT: Guo, Jun
; APPLICANT: Freedman, Richard
; APPLICANT: Patel, Umesh A.
; APPLICANT: Davies, Katherine A.
; TITLE OF INVENTION: KINI-3 MOTOR PROTEIN AND METHODS FOR ITS USE
; FILE REFERENCE: 020552-002400US
; CURRENT APPLICATION NUMBER: US/09/967,908A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US 09/675,227
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 6409
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Kini-3 sequence

US-09-967-908A-1

Query Match 7.8%; Score 93.4; DB 3; Length 6409;
Best Local Similarity 80.7%; Pred. No. 9.3e-09;
Matches 109; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

Qy 1056 ACTCCAGCCAGGCGACGAGAGGAGTTCATCTCAAAAAAAAAATTAATTAATTAATA 1115
Db 6252 AATACAAACAAACGAGAGACTGATTCTTAATAAAAAAAAAAAAAAAAAAAAAA 6311
Qy 1116 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1175
Db 6312 AA 6371
Qy 1176 AA 1190
Db 6372 AA 6386

RESULT 10

US-10-159-151-1
; Sequence 1, Application US/10159151
; Patent No. 6794178
; GENERAL INFORMATION:
; APPLICANT: Cycokinetics, Inc.
; APPLICANT: Beraud, Christopher
; APPLICANT: Guo, Jun
; APPLICANT: Freedman, Richard
; APPLICANT: Patel, Umesh A.
; APPLICANT: Davies, Katherine A.
; TITLE OF INVENTION: KINI-3 MOTOR PROTEIN AND METHODS FOR ITS USE
; FILE REFERENCE: 020552-002400US
; CURRENT APPLICATION NUMBER: US/10/159,151
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US/09/967,908
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US 09/675,227
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 6409
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Kini-3 sequence
US-10-159-151-1

Query Match 7.8%; Score 93.4; DB 3; Length 6409;
Best Local Similarity 80.7%; Pred. No. 9.3e-09;
Matches 109; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

Qy 1056 ACTCCAGCCAGGCGACGAGAGGAGTTCATCTCAAAAAAAAAATTAATTAATTAATA 1115
Db 6252 AATACAAACAAACGAGAGACTGATTCTTAATAAAAAAAAAAAAAAAAAAAAAA 6311
Qy 1116 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1175
Db 6312 AA 6371
Qy 1176 AA 1190
Db 6372 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 6386

RESULT 11

US-09-885-723-6
; Sequence 6, Application US/09885723
; Patent No. 6822142
; GENERAL INFORMATION:
; APPLICANT: Monsanto Company
; TITLE OF INVENTION: TRANSGENIC PLANTS CONTAINING ALTERED LEVELS OF STEROID COMPOUNDS
; FILE REFERENCE: MTC6783.1

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1 GENERAL INFORMATION:
2 APPLICANT: Xu, Jiangchun
3 APPLICANT: SCOL, John A.
4 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
5 TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
6 FILE REFERENCE: 210121.484C4
7 CURRENT APPLICATION NUMBER: US/09/713,550
8 CURRENT FILING DATE: 2000-11-14

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? NUMBER OF SEQ ID NOS: 205
? SOFTWARE: FastSeq for Windows Version 3.0.
? SEQ ID NO 53
? LENGTH: 396
? TYPE: DNA
? ORGANISM: Homo sapien
? FEATURES:
? NAME/KEY: misc_feature
? LOCATION: (1)...(396)
? OTHER INFORMATION: n = A,T,C or G
?S-09-713-550-53

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Query Match	7.7%	Score 91.4	DB 3	Length 396
Best Local Similarity	64.6%	Pred. No. 1.1e-08		
Matches 122	Conservative 0	Mismatches 67	Indels 0	Gaps 0

QY	1002	TCACCTTTTCTTTCTTTCTTTCTTTCTTTTTCAGACGGAGTCTCGCTCGACCTCA	1061
Db	289	TNCGTNNNTTATNTTTCTTTCTTTTTCGATTAAANANAAGNAAAAAAAAA	230
QY	1062	GCCGAGCGCAGACGATTCATCTCAAAAAAAAAATTAATTAATTAATTAATTA	1121
Db	229	ANANNTTAAA	170
QY	1122	TATTAATAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1181
Db	169	AAA	110
QY	1182	AAAAAAAAAA	1190
Db	109	AAAAAAAAAA	101

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RESULT 15
US-09-825-294-53/c
; Sequence 53, Application US/09825294
; Patent No. 6710170
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.484c5
; CURRENT APPLICATION NUMBER: US/09/825.294
; CURRENT FILING DATE: 2001-04-03
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(396)
; OTHER INFORMATION: n = A,T,C or G
; US-09-825-294-53

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Query Match	7.7%	Score	91.4	DB	3	Length	356
Best Local	Similarly	Pred. No.	1.1e-08				
Matches	122	Conservative	0	Mismatches	67	Indels	0
						Gaps	0

QY	1002	TCACCTTTTCTTTCTTTCTTTCTTTTGGAGCGAGTCTGCACTCA	1064
Db	289	TNNGNTNNNTTATNTTTCTTNTCTTTTNGAATTTAAANNAAGNAAAAA	230
QY	1062	GCCGAGCGCAGACGAGATTCCATCTCAAAAAATTAATTAATTAATTAATAA	1121
Dd	229	ANAAANTTAAAAAANAAAAAANAAAAAANAAAAAANAAAAA	170
QY	1122	TATTAATAATTAATAATAATAATAATAATAATAATAATAATAATAA	1181

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Db      169 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 110
Qy      1182 AAAAAAAAAA 1190
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Db      109 AAAAAAAAAA 101

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using bw model

Run on: November 27, 2005, 15:22:04 ; Search time 240.071 Seconds
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Title: US-09-391-861-1

Perfect score: 1190
Sequence: 1 gagatccagccgcaagagag...aaaaaaaaaaaaaaaa 1190

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Gapop 60.0 , Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	1190	100.0	1190	US-09-390-207-1	Sequence 1, Appli
2	592	49.7	643	US-09-715-805-3	Sequence 3, Appli
3	104	8.7	477	US-09-621-976-1353	Sequence 153, Ap
4	66	5.5	612	US-09-902-540-1357	Sequence 157, Ap
5	66	5.5	903	PCT-US95-06406A-21	Sequence 21, Appli
6	66	5.5	2146	US-10-003-392-3	Sequence 3, Appli
7	66	5.5	2773	US-09-991-181-178	Sequence 178, App
8	66	5.5	2773	US-09-990-444-178	Sequence 178, App
9	66	5.5	2773	US-09-997-333-178	Sequence 178, App
10	66	5.5	2773	US-09-992-598-178	Sequence 178, App
11	64	5.4	450	US-10-131-827-8720	Sequence 8720, Ap
12	64	5.4	1406	US-10-000-489-81	Sequence 81, Appli
13	64	5.4	2059	US-09-908-474D-1	Sequence 1, Appli
14	64	5.4	2389	US-09-799-875-7	Sequence 7, Appli
15	64	5.4	2483	US-09-205-258-68	Sequence 68, Appli
16	64	5.4	2483	US-10-004-860-68	Sequence 68, Appli
17	63	5.3	141	US-08-737-078A-1	Sequence 1, Appli
18	63	5.3	141	PCT-US94-04706-1	Sequence 1, Appli
19	63	5.3	796	US-08-104-073-2	Sequence 2, Appli
20	63	5.3	1641	US-08-300-903A-8	Sequence 8, Appli
21	63	5.3	1641	US-08-988-197-8	Sequence 8, Appli
22	63	5.3	1641	US-10-385-072-8	Sequence 8, Appli
23	63	5.3	2218	US-09-205-258-103	Sequence 103, App
24	63	5.3	2218	US-10-004-860-103	Sequence 103, App

25	63	5.3	5173	2	US-08-242-677-1	Sequence 1, Appli
26	62	5.2	63	3	US-09-621-976-13480	Sequence 13480, A
27	62	5.2	68	3	US-09-621-976-11613	Sequence 11613, A
28	62	5.2	68	3	US-09-621-976-11912	Sequence 11912, A
29	62	5.2	68	3	US-09-621-976-12005	Sequence 12005, A
30	62	5.2	69	3	US-09-621-976-12006	Sequence 12006, A
31	62	5.2	70	3	US-09-621-976-13579	Sequence 13579, A
32	62	5.2	76	3	US-09-621-976-12446	Sequence 12446, A
33	62	5.2	81	3	US-09-513-899C-17324	Sequence 17324, A
34	62	5.2	102	3	US-09-621-976-11436	Sequence 11436, A
35	62	5.2	148	3	US-09-621-976-11747	Sequence 1747, A
36	62	5.2	158	3	US-09-621-976-17450	Sequence 17450, A
37	62	5.2	153	3	US-09-621-976-17451	Sequence 17451, A
38	62	5.2	289	2	US-08-341-568-3	Sequence 3, Appli
39	62	5.2	289	2	US-08-911-820-3	Sequence 3, Appli
40	62	5.2	746	3	US-09-013-810-1	Sequence 1, Appli
41	62	5.2	766	3	US-10-125-258-1	Sequence 1, Appli
42	62	5.2	1141	3	US-09-800-729-78	Sequence 78, Appli
43	62	5.2	1323	3	US-09-856-320A-3	Sequence 3, Appli
44	62	5.2	1361	3	US-09-489-847-64	Sequence 64, Appli
45	62	5.2	1507	3	US-09-453-323-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1									
US-09-390-207-1									
; Sequence 1, Application US/09390207									
; Patent No. 6504530									
; GENERAL INFORMATION:									
; APPLICANT: Thomaeson, Arlen									
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides									
; FILE REFERENCE: 99-371									
; CURRENT APPLICATION NUMBER: US/09/390,207									
; CURRENT FILING DATE: 1999-09-07									
; NUMBER OF SEQ ID NOS: 41									
; SOFTWARE: Patentin Ver. 2.0									
; SEQ ID NO 1									
; LENGTH: 1190									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (142)..(771)									
US-09-390-207-1									
Query Match									
Best Local Similarity 100.0%; Pred. No. 0;									
Matches 1190; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	GAGGATCCAGCCGAAAGAGAGCCAGGACTCAGGCGACCTGAGTCTACTACCTGGACA	60						
DB	1	GAGGATCCAGCCGAAAGAGAGCCAGGACTCAGGCGACCTGAGTCTACTACCTGGACA	60						
QY	61	ACTGGAATTCGGACCAATTCTTAAACCACTCAGCTTCCGAGCTACACCCGGAGATC	120						
DB	61	ACTGGAATTCGGACCAATTCTTAAACCACTCAGCTTCCGAGCTACACCCGGAGATC	120						
QY	121	ACCTGAGAGACCCGACCATTTGAGTCTGGAGAGCGGGTTCCAGCACTAGAGACTG	180						
DB	121	ACCTGAGAGACCCGACCATTTGAGTCTGGAGAGCGGGTTCCAGCACTAGAGACTG	180						
QY	181	TGGATTCTGTGCTGCTGCTCTTCTGCTGGAGCCTCCAGGACACCCCATCTCTGAC	240						
DB	181	TGGATTCTGTGCTGCTGCTCTTCTGCTGGAGCCTCCAGGACACCCCATCTCTGAC	240						
QY	241	TCGAGTCTCTCTCTGCAATTCGGAGGCGCAAGTCCGAGCGGTACTTACACAGATGAT	300						
DB	241	TCGAGTCTCTCTCTGCAATTCGGAGGCGCAAGTCCGAGCGGTACTTACACAGATGAT	300						
QY	301	GCCAGCAGACAGAACGCCACTGTGAGATGAGGAGAGATGGACGGTGGGGCGCTGCT	360						
DB	301	GCCAGCAGACAGAACGCCACTGTGAGATGAGGAGAGATGGACGGTGGGGCGCTGCT	360						

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9)...(638)
US-09-715-805-3

Query Match      49.7%; Score 592; DB 3; Length 643;
Best Local Similarity 99.8%; Pred. No. 4,6e-215;
Matches 642; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY      134  ACCCATGTATGACTCGGACGAGACCGGGTTTGAGACCTCAGACCTGTGGGTTTCTGTGC 193
Db       1  AGCCATTATGATGACTCGGACGAGACCGGGTTTGAGACCTCAGACCTGTGGGTTTCTGTGC 60

QY      194  TGGCTGGGCTCTTCTCTGCGGAGCCTGTGCAGGACACCCCATCCCTGACTCAGTCCCTTCC 253
Db       61  TGGCTGGGCTCTTCTCTGCGGAGCCTGTGCAGGACACCCCATCCCTGACTCAGTCCCTTCC 120

QY      254  TGCATTTCCGGGGCCCAAGTCCCGACAGCGGTATCCTCTACACAGATATGCCAGACAGAC 313
Db      121  TGCATTTCCGGGGCCCAAGTCCCGACAGCGGTATCCTCTACACAGATATGCCAGACAGAC 180

QY      314  AAGCCACCTGAGATACAGGAGAGATGGGACGATGGGGGGGGCGCTGTACACAGCCCG 373
Db      181  AAGCCACCTGAGATACAGGAGAGATGGGACGATGGGGGGGGCGCTGTACACAGCCCG 240

QY      374  AAGGTCCTCCGACGCTGAAAGGCTTGAAGCCGGGAGTTATTCAATCTTGGAGTCAAGA 433
Db      241  AAGGTCCTCCGACGCTGAAAGGCTTGAAGCCGGGAGTTATTCAATCTTGGAGTCAAGA 300

QY      434  CATCCAGGTTCTGTGTCCAGCGGACCAATGGGGCCCTGTATGATATGCTTCACTTTGACC 493
Db      301  CATCCAGGTTCTGTGTCCAGCGGACCAATGGGGCCCTGTATGATATGCTTCACTTTGACC 360

QY      494  CTGAGGCGCTGCAAGCTTCCGGGAGCTGCTTCTTGAAGACGAGTACCAATGTTTACCAATGCG 553
Db      361  CTGAGGCGCTGCAAGCTTCCGGGAGCTGCTTCTTGAAGACGAGTACCAATGTTTACCAATGCG 420

QY      554  AAGCCCAAGGCTCTCCGCTGACCTGTCCAGGAAACAAGTCCCAACACCGGAGACCTTGAC 613
Db      421  AAGCCCAAGGCTCTCCGCTGACCTGTCCAGGAAACAAGTCCCAACACCGGAGACCTTGAC 480

QY      614  CCGGAGACAGCTGCTGCTTCTGTGCACCTACAGGCTGTCCCCCGACACCCCGAGGCCAC 673
Db      481  CCGGAGACAGCTGCTGCTTCTGTGCACCTACAGGCTGTCCCCCGACACCCCGAGGCCAC 540

QY      674  CCGGAATTCGTGCCCCCGACGCCCGGATGTGGGCTCTCGGACCTGTGAGCAATGTGG 733
Db      541  CCGGAATTCGTGCCCCCGACGCCCGGATGTGGGCTCTCGGACCTGTGAGCAATGTGG 700

QY      734  GACCTTCCAGGGCCGAAGCCCAAGTACAGCTTCTCTGAAGCCA 776
Db      601  GACCTTCCAGGGCCGAAGCCCAAGTACAGCTTCTCTGAAGCCA 643

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RESULT 3
US-09-621-976-1353
: Sequence 1353, Application US/09621976
: Patent No. 6639063
: GENERAL INFORMATION:
: APPLICANT: Dumas Milne Edwards, J.B.
: APPLICANT: Joberet, S.
: APPLICANT: Giordano, J.Y.
: TITLE OF INVENTION: ESTs and Encoded Human Proteins
: FILE REFERENCE: GENSET 054PR2
: CURRENT APPLICATION NUMBER: US/09/621,976
: CURRENT FILING DATE: 2000-07-21
: NUMBER OF SEQ ID NOS: 19335
: SOFTWARE: Patent.pm

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; SEQ ID NO 1353
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 169..423
; NAME/KEY: sig_peptide
; LOCATION: 169..252
; OTHER INFORMATION: Von Heljne matrix
; OTHER INFORMATION: score 11.3000001907349
; OTHER INFORMATION: seq SVLADLLGACQA/HP
; NAME/KEY: misc_feature
; LOCATION: 207
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1353
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Query Match      8.7%; Score 104; DB 3; Length 477;
Best Local Similarity 99.4%; Pred. No. 3.1e-30;
Matches 154; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 GAGATCCAGCCGAAAGAGGAGCCAGCACTCAGGCCACTGAGTCTACTGACCTGGACA 60
      28 GAGATCCAGCCGAAAGAGGAGCCAGCACTCAGGCCACTGAGTCTACTGACCTGGACA 87
DB
QY      61 ACTGGAATCTGGCAACCAATTCTAAACCACTGAGCTTCGAGCTCACACCCGGAGATC 120
      88 ACTGGAATCTGGCAACCAATTCTAAACCACTGAGCTTCGAGCTCACACCCGGAGATC 147
DB
QY      121 ACTGAGAGCCGAGCCATTTGATGACTCGGACGA 155
      148 ACTGAGAGCCGAGCCATTTGATGACTCGGACGA 182
DB
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```
RESULT 4
US-09-902-540-1357
; Sequence 1357, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1357
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(612)
; OTHER INFORMATION: unsure at all n locations
US-09-902-540-1357
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Query Match      5.5%; Score 66; DB 3; Length 612;
Best Local Similarity 100.0%; Pred. No. 7.3e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1125 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1184
      70 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 129
DB
QY      1185 AAAAAA 1190
      130 AAAAAA 135
DB
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RESULT 5
PCT-US95-06406A-21
; Sequence 21, Application PC/TUS9506406A
; GENERAL INFORMATION:
; APPLICANT: Janet D. Robishaw, Charles Kunsch
; TITLE OF INVENTION: cDNA Clones Encoding Human G Protein
; TITLE OF INVENTION: Subunits
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS:
; STREET:
; CITY:
; STATE:
; COUNTRY:
; ZIP:
```

```
COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06406A
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:
; TELEFAX:
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```
INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 903
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: NO
PCT-US95-06406A-21
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Query Match      5.5%; Score 66; DB 6; Length 903;
Best Local Similarity 100.0%; Pred. No. 7e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1125 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1184
      834 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 893
DB
QY      1185 AAAAAA 1190
      894 AAAAAA 899
DB
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RESULT 6
US-10-003-392-3
; Sequence 3, Application US/10003392
; Patent No. 6791015
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Cami, Perry G.
; APPLICANT: Scoop, Johan M.
; TITLE OF INVENTION: Fructan Biosynthetic Enzymes
; FILE REFERENCE: B1463 US NA
; CURRENT APPLICATION NUMBER: US/10/003,392
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/244,273
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 60/269,543
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 21
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; SOFTWARE: Microsoft Office 97
; SEQ ID NO 3
; LENGTH: 2146
; TYPE: DNA
; ORGANISM: Parthenium argentatum Grey
US-10-003-392-3

Query Match          5.5%; Score 66; DB 3; Length 2146;
Best Local Similarity 100.0%; Fred. No. 6.3e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1125 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1184
Db 2009 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2068
QY 1185 AAAAAA 1190
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RESULT 7
US-09-991-181-178
; Sequence 178, Application US/09991181
; Patent No. 6913919
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secretd and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C53
; CURRENT APPLICATION NUMBER: US/09/991,181
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
Query Match 5.5%; Score 66; DB 3; Length 2773;
Best Local Similarity 100.0%; Pred. No. 6, 1e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1125 AA 1184
Db 2650 AA 2709
Qy 1185 AAAAAA 1190
Db 2710 AAAAAA 2715
RESULT 8
US-09-990-444-178
; Sequence 178, Application US/09990444
; Patent No. 6930170
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botsstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C19
; CURRENT APPLICATION NUMBER: US/09/990,444
;; PRIOR FILING DATE: 2001-11-14
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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Query Match 5.5%; Score 66; DB 3; Length 2773;
Best Local Similarity 100.0%; Pred. No. 6.1e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 2650 AA 2709

QY 1185 AAAAAA 1190
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DB 2710 AAAAAA 2715

RESULT 9
US-09-997-333-178
Sequence 178, Application US/09997333
Patent No. 6953836
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Baeton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Kijavini, Ivar J.
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C27
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CURRENT FILING DATE: 2001-11-15
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70 PRIOR FILING DATE: 1998-07-09

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RESULT 10
US-09-992-598-178
/ Sequence 178, Application US/09992598
/ Patent No. 6956108
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gertlisen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kijavlin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: P2730P/C20
/ CURRENT APPLICATION NUMBER: US/09/992,598
/ PRIOR FILING DATE: 2001-11-14
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
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/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087759
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087827
/ PRIOR FILING DATE: 1998-06-01

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Query Match	5.5%; Score 66; DB 3; Length 2773;
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4  FEATURE:
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6  LOCATION: 1..26
7  NAME/KEY: CDS
8  LOCATION: 27..689
9  NAME/KEY: 3'UTR
10 LOCATION: 690..1406
11 NAME/KEY: polyA_signal
12 LOCATION: 1302..1307
13 NAME/KEY: polyA_site
14 LOCATION: 1325..1406
15 US-10-000-489-81

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RESULT 13
US-09-909-474D-1
/ Sequence 1, Application US/09909474D
/ Patent No. 6881542
/ GENERAL INFORMATION:
/ APPLICANT: Boylan, John
/ APPLICANT: Bowers, Alex
/ TITLE OF INVENTION: No. 6881542el Serine Threonine Kinase Member, h2520-59
/ FILE REFERENCE: 01017/36524A
/ CURRENT APPLICATION NUMBER: US/09/909,474D
/ CURRENT FILING DATE: 2001-07-19
/ PRIOR APPLICATION NUMBER: US 60/219,204
/ PRIOR FILING DATE: 2000-07-19
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 1
/ LENGTH: 2059
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (49)..(1122)
US-09-909-474D-1

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RESULT 14
US-09-739-875-7
; Sequence 7, Application US/0979875
; Patent No. 668721
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Beate

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; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. 66387221el Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 35800/20996
; CURRENT APPLICATION NUMBER: US/09/799,875
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (383)...(1456)
; US-09-799-875-7

Query Match      5.4%; Score 64; DB 3; Length 2389;
Best Local Similarity 100.0%; Pred. No. 3.5e-15;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2323 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2382

Qy 1187 AAAA 1190
Db 2383 AAAA 2386

RESULT 15
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; Sequence 68, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
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; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 2483
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-205-258-68

Query Match      5.4%; Score 64; DB 3; Length 2483;
Best Local Similarity 100.0%; Pred. No. 3.5e-15;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1127 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1186
Db 2419 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2478

Qy 1187 AAAA 1190
Db 2479 AAAA 2482
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Tue Nov 29 11:50:32 2005

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us-09-391-861-1.011.m1

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - nucleic search, using frame_plus.p2n model

Run on: November 28, 2005, 10:16:21; Search time 171.589 Seconds

(without alignments)
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Title: US-09-391-861-2

Perfect score: 1116
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Fgapop 6.0 , Fgapext 7.0	
Delop 6.0 , Delext 7.0	

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 266114

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Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Database :

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5: /cgnt_6/ptodata/1/ina/H.COMB.seq.*
6: /cgnt_6/ptodata/1/ina/PCBUS.COMB.seq.*
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8: /cgnt_6/ptodata/1/ina/RE.COMB.seq.*
9: /cgnt_6/ptodata/1/ina/backfillseq.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	1106	99.1	643	3	US-09-715-805-3
3	803.5	72.0	649	3	US-09-390-207-3
4	803.5	72.0	659	3	US-09-715-805-1
5	803.5	72.0	659	3	US-09-665-493B-6
6	500	44.8	477	3	US-09-621-976-1353
7	273	24.5	651	3	US-09-949-016-2335
8	273	24.5	2137	3	US-09-907-794A-58
9	273	24.5	2137	3	US-09-905-125A-58

10	273	24.5	2137	3	US-09-902-775A-58	Sequence 58, Appl
11	273	24.5	2137	3	US-09-906-700-58	Sequence 58, Appl
12	273	24.5	2137	3	US-09-903-603A-58	Sequence 58, Appl
13	273	24.5	2137	3	US-09-904-520A-58	Sequence 58, Appl
14	273	24.5	2137	3	US-09-909-064-58	Sequence 58, Appl
15	273	24.5	2137	3	US-09-905-181A-58	Sequence 58, Appl
16	273	24.5	2137	3	US-09-906-618-58	Sequence 58, Appl
17	273	24.5	2137	3	US-09-906-646-58	Sequence 58, Appl
18	273	24.5	2137	3	US-09-904-462-58	Sequence 58, Appl
19	273	24.5	2137	3	US-09-902-736A-58	Sequence 58, Appl
20	273	24.5	2137	3	US-09-906-722A-58	Sequence 58, Appl
21	247.5	22.2	810	3	US-09-774-528-440	Sequence 440, App
22	247.5	22.2	810	3	US-10-120-988-440	Sequence 440, App
23	247.5	22.2	996	3	US-09-991-181-510	Sequence 510, App
24	247.5	22.2	996	3	US-09-990-444-510	Sequence 510, App
25	247.5	22.2	996	3	US-09-997-333-510	Sequence 510, App
26	247.5	22.2	996	3	US-09-992-598-510	Sequence 510, App
27	247.5	22.2	1239	3	US-10-000-489-25	Sequence 25, Appl
28	247.5	22.2	1608	3	US-09-949-016-2147	Sequence 2147, Ap
29	201.5	18.1	528	3	US-09-621-976-171	Sequence 171, App
30	187.5	16.8	599	3	5430019-1	Patent No. 5430019
31	183.5	16.4	1142	3	US-08-478-486F-11	Sequence 11, Appl
32	183.5	16.4	1142	3	US-09-605-304A-5	Sequence 5, Appl1
33	183.5	16.4	1219	6	PCT-US93-06251-11	Sequence 11, Appl
34	182	16.3	1220	3	US-09-949-016-2514	Sequence 2514, Ap
35	176.5	15.8	744	3	US-09-949-016-1109	Sequence 1109, Ap
36	176.5	15.8	744	3	US-09-949-016-2148	Sequence 2148, Ap
37	166.5	14.9	423	2	US-08-187-780-2	Sequence 2, Appl1
38	166.5	14.9	423	2	US-08-187-780-5	Sequence 5, Appl1
39	166.5	14.9	423	2	US-08-478-485-2	Sequence 2, Appl1
40	166.5	14.9	423	2	US-08-478-485-5	Sequence 5, Appl1
41	166.5	14.9	423	3	US-08-478-486F-2	Sequence 2, Appl1
42	166.5	14.9	423	3	US-08-478-486F-5	Sequence 5, Appl1
43	166.5	14.9	528	3	US-08-478-486F-10	Sequence 10, Appl
44	166.5	14.9	528	3	US-09-605-304A-4	Sequence 4, Appl1
45	166.5	14.9	618	3	US-08-478-486F-9	Sequence 9, Appl1

ALIGNMENTS

RESULT 1
US-09-390-207-1
; Sequence 1, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomason, Arlen
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (142)..(771)
US-09-390-207-1
Alignment Scores:
Pred. No.: 8,7e-81
Score: 1116.00
Percent Similarity: 100.00%
Best local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Gaps: 0
US-09-391-861-2 (1-209) x US-09-390-207-1 (1-1190)
OY 1 MetAserAarAglUtrHrGlyPhcGLuHISerClyLeuTrpValSerValLeuAlaGly 20

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Db      142 ATGACCTCGAGCAGACCGGGTTCAGACCTCAGACAGTGGGTTTCTGTGCTGGT 201
Qy      21 LeuLeuLeuGlyAlaCysGlnAlaHisProIleProAspSerProLeuGlnPhe 40
Db      202 CTTCTGCTGGAGCCTCCAGGACACCCCATCTCTGACTCCAGTCTCTCTCGAATTC 261
Qy      41 GlyGlnGlnAlaArgGlnArgTyrLeuTyrThrAspAspAlaGlnGlnThrGlnAlaHis 60
Db      262 GGGGGCCCAAGTCCGGCAGCGGTACTCTACACAGATGATGCCACAGACAGAACGCCAC 321
Qy      61 LeuGlnIleArgGlnAspGlyThrValGlyGlnAlaAspGlnSerProGlnSerIleu 80
Db      322 CTGAGATCAGGAGATGGAGACGATGGGGGGCGCTGCTGACCAAGACCCGAAAGTCTC 381
Qy      81 LeuGlnLeuAlaLeuLeuLeuProGlyValIleGlnIleLeuGlyValIleThrSerArg 100
Db      382 CTGACACTGAAAGCCTTGAAAGCCGGAGATTATTCAAATCTTGGAGTCAGACATCCAGG 441
Qy      101 PheLeuCysGlnArgProAspGlyAlaLeuTyrGlySerIleuHisPheAspProGlnAla 120
Db      442 TTCCTGTGTCACGGCCAGATGGGGCCTGTATGATGCTCCACTTTCAGCCCTGAGGCC 501
Qy      121 CysSerPheArgGlnLeuLeuLeuGlnAlaAspGlyTyrAsnValTyrGlnSerGlnAlaHis 140
Db      502 TGCACCTTCCGGAGACTCTCTTGAGAGACGATACAAATGTTTACCAAGTCCAGAGCCAC 561
Qy      141 GlyLeuProLeuHisLeuProGlyAsnLysSerProHisArgAspProAlaProArgGly 160
Db      562 GGCCTCCGCTGCACCTGCGCAGGACACAGTCCCAACCGGAGACCTTCCACCCCGAGAG 621
Qy      161 ProAlaArgPheLeuProLeuProGlyLeuProProAlaProProGlyProProGlyIle 180
Db      622 CCACCTCGCTTCCGTCACATCAAGGCTGCCCCCGCAGACCCCGAGGCCACCGGATC 681
Qy      181 LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMetValGlyProSer 200
Db      682 CTGGCCCCCAGACCCCGATGTGGGCTCTCGGACCTCTGAGCATGTGGAGACTTCC 741
Qy      201 GlnGlyArgSerProSerTyrAlaSer 209
Db      742 CAGGGCCGAAGCCCAAGCTACGCTTCC 768

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RESULT 2

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US-09-715-805-3
; Sequence 3, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; APPLICANT: Kavanagh, W. Michael
; TITLE OF INVENTION: HUMAN RGS-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130, 408
; CURRENT APPLICATION NUMBER: US/09/715, 805
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9)...(638)
US-09-715-805-3

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Alignment Scores:

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Pred. No.: 2 62e-80
Score: 1106.00
Percent Similarity: 99.52%
Best Local Similarity: 99.52%
Query Match: 99.10%
DB: 3

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Length: 643
Matches: 208
Conservative: 0
Mismatches: 1
Indels: 0
Gaps: 0

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US-09-391-861-2 (1-209) x US-09-715-805-3 (1-643)
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Qy      21 LeuLeuLeuGlyAlaCysGlnAlaHisProIleProAspSerProLeuGlnPhe 40
Db      69 CTTCTGCTGGAGCCTCCAGGACACCCCATCTCTGACTCCAGTCTCTCTCGAATTC 128
Qy      41 GlyGlnGlnAlaArgGlnArgTyrLeuTyrThrAspAspAlaGlnGlnThrGlnAlaHis 60
Db      129 GGGGGCCCAAGTCCGGCAGCGGTACTCTTACACAGATGATGCCACAGACAGAACGCCAC 188
Qy      61 LeuGlnIleArgGlnAspGlyThrValGlyGlnAlaAspGlnSerProGlnSerIleu 80
Db      189 CTGAGATCAGGAGATGGAGACGATGGGGGGCGCTGCTGACCAAGCCCGAAAGTCTC 248
Qy      81 LeuGlnLeuAlaLeuLeuLeuProGlyValIleGlnIleLeuGlyValIleThrSerArg 100
Db      249 CTGACCTGAAAGCCTTGAAGCCGGAGATTATTCAAATCTTGGAGTCAGACATCCAGG 308
Qy      101 PheLeuCysGlnArgProAspGlyAlaLeuTyrGlySerIleuHisPheAspProGlyAla 120
Db      309 TTCCTGTGTCACGGCCAGATGGGGCCTGTATGATGCTCCACTTTCAGCCCTGAGGCC 368
Qy      121 CysSerPheArgGlnLeuLeuLeuGlnAlaAspGlyTyrAsnValTyrGlnSerGlnAlaHis 140
Db      369 TGCAGCTTCCGGAGACTCTCTTGAAGACGATACAAATGTTTACCAAGTCCGAAGCCAC 428
Qy      141 GlyLeuProLeuHisLeuProGlyAsnLysSerProHisArgAspProAlaProArgGly 160
Db      429 GGCCTCCGCTGCACCTCCAGGACACAGTCCCAACCGGAGACCTTCCACCCCGAGAG 488
Qy      161 ProAlaArgPheLeuProLeuProGlyLeuProProAlaProProGlyProProGlyIle 180
Db      489 CCAGCTCGCTTCCGTCACATCAAGGCTGCCCCCGCAGACCTCCCGAGGCCACCGGAATC 548
Qy      181 LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMetValGlyProSer 200
Db      549 CTGGCCCCCAGACCCCGATGTGGGCTCTCGGACCTCTGAGCATGTGGAGACTTCC 608
Qy      201 GlnGlyArgSerProSerTyrAlaSer 209
Db      609 CAGGGCCGAAGCCCAAGCTACGCTTCC 635

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RESULT 3

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US-09-390-207-3
; Sequence 3, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomason, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 649
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(630)
US-09-390-207-3

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Alignment Scores:

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Pred. No.: 5 01e-56
Score: 803.50
Percent Similarity: 84.42%
Length: 649
Matches: 158
Conservative: 10

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Best Local Similarity: 79.40%  Mismatches: 30
Query Match: 72.00%  Indels: 1
DB: 3  Gaps: 1
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US-09-391-861-2 (1-209) x US-09-390-207-3 (1-649)

[illegible]

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RESULT 4
US-09-715-805-1
: Sequence 1' Application US/09715805
: Patent No. 6716626
: GENERAL INFORMATION:
: APPLICANT: Itoh, No. 6716626yuyki
: APPLICANT: Kavanagh, W. Michael
: TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
: TITLE OF INVENTION: PRODUCTS
: FILE REFERENCE: PP-16758.001/201130.408
: CURRENT APPLICATION NUMBER: US/09/715,805
: CURRENT FILING DATE: 2000-11-16
: NUMBER OF SEQ. ID NOS.: 17
: SOFTWARE: PaeseSeq for Windows Version 4.0
: SEQ ID NO 1
: LENGTH: 659
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (14)...(646)
: US-09-715-805-1

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Pred. No.:	803.50	Matches:	156
Score:	84.42%	Conservative:	10

Best Local Similarity:	79.40%	Mismatches:	3
Query Match:	72.00%	Indels:	1
DB:	3	Gaps:	1

US-09-391-861-2 (1-209) X US-09-715-805-1 (1-659)

[illegible]

RESULT 5
US-09-665-493B-6
Sequence 6, Application US/09665493B
Patent No. 6943153
GENERAL INFORMATION:
APPLICANT: Manning, William C., Jr.
APPLICANT: Dwarti, Varavani J.
APPLICANT: Rendahl, Katherine
APPLICANT: Zhou, Shang-Zhen
APPLICANT: McGee, Laura H.
APPLICANT: Lau, Dana
APPLICANT: Planmery, John G.
APPLICANT: Miller, Sheldon
APPLICANT: Wang, Fei
APPLICANT: Di Polo, Adriana
TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
FOR TREATING OR PREVENTING DISEASES OF THE EYE
FILE REFERENCE: PPI588.005 (20263.40)
CURRENT APPLICATION NUMBER: US/09/665,493B
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 4.0

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; LENGTH: 659
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; TYPE: DNA
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; ORGANISM: Homo sapien
US-09-665-493B-6

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Score:	5.1e-56	Length:	65
Percent Similarity:	803.50	Matches:	156
Best Local Similarity:	84.42%	Conservative:	10
Query Match:	79.40%	Mismatches:	30
DB:	72.00%	Indels:	1
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13 01-1 x US-09-665-493B-6 (1-659

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Qy      31  ILeProAspSerSerProLeuLeuGlnPheGlyGlyGlnValArgGlnArgTyrLeuTyr  50
Db      107  ATCCCTGACTCCAGCCCCCTCTCTCCAGTTTGGGGGTCAATCCGGCAAGGATCTCTTAC  166
Qy      51  ThrAspAspAlaGlnGlnThrGlnValaHisLeuGlnLileArgGlnAspGlyThrValGly  70
Db      167  ACGAGTAGACCAACCAAGACTGAGGCCACTGGAGATCAAGGAGAGATGAACAGTGGTA  226
Qy      71  GYAlaAlaAspGlnSerProGlnSerLeuLeuGlnLeuLeuAlaLeuLeuProGlyVal  90
Db      227  GGGGAGACACACCAGCATGCTCAAGAAAGTCTCTGAGACTCAAGCCTTGAAGCCAGGGGTC  286
Qy      91  ILeGlnIleLeuGlyValLeuThrSerArgPheLeuCySgInAspProAspGlyAlaLeu  110
Db      287  ATTCAAATCTGGGGTGTCTCAAGCCTCTAGGTTTCTTTGCACAAAGCCAGATGAGCTCTC  346
Qy      111  TYrGlySerLeuHisPheAspProGlnAlaCySerPheArgGlnLeuLeuLeuGlnAsp  130
Db      347  TATGGATGGCTCACTTGAATCTCTGAGGGCTGCACATTCAGAGAACTGCTGCTGAGAGAC  406
Qy      131  GYTYrAsnValTYrGlnSerGlnAlaHisGlyLeuProLeuHisLeuProGlyAsnLys  150
Db      407  GGTTCACATGTGTACCAAGTCTAACCACCATGCGCTGCCCTCTGGCTGTGCTTCAAGAGAC  466
Qy      151  SerProHisArgAspProAlaProArgGlyProAlaArgPheLeuProLeuProGlyLeu  170
Db      467  TCCCCAAACAGAGATCAAACTCTCGGGAGACTGTGGCTCTCTGCCATCCAGGCTTG  526
Qy      171  ProProAlaProProGlnProProGlyTYrLeuAlaProGlnProProAspValGlySer  190
Db      527  CTCACAGAGCCCCAAGACCAACGACGAGATTCTCTCCCCACAGACCCCCACAGATGGGGCTCC  586
Qy      191  SerAspProLeuSerMetValGlyProSerGlnGlyArgSerProSerTYrAlaSer  209
Db      587  TCTGACCCCCCTGACATGTATGAGCCTTTTACAGGGCCCAAGCCCCACACTATGCTCC  643

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RESULT 6
US-09-621-976-1153
/ Sequence 1353 Application US/09621976
/ Patent No. 6639063
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Jobert, S.
/ APPLICANT: Giordano, J.Y.
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins
/ FILE REFERENCE: GENSET 054PR2
/ CURRENT APPLICATION NUMBER: US/09/621,976
/ CURRENT FILING DATE: 2000-07-21
/ NUMBER OF SEQ ID NOS: 19335
/ SOFTWARE: Patent.pm
/ SEQ ID NO 1353
/ LENGTH: 477
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 169..423
/ NAME/KEY: sig_peptide

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1 LOCATION: 169..252
2 OTHER INFORMATION: Von Heijne mat
3 OTHER INFORMATION: score 11.30000
4 OTHER INFORMATION: seq SVLAKGLLG
5 NAME/KEY: misc_feature
6 LOCATION: 207
7 OTHER INFORMATION: n=a, g, c o r t
8 US-09-621-976-1353

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Alignment Scores:
Pred. No.:

Score:	7.84e-32	Length:	500.00
Percent Similarity:	98.06%	Matches:	Conservative:
Best Local Similarity:	98.06%	Mismatches:	Indels:
Query Match:	44.80%	Gaps:	
DB:	3		

1-477 96-05-021-9/6-1353

1 MetAspSerAspGluThrGlyPheGluHisSerGlyLeuTrpValSerValLeuAlaGly 20
 Db 169 ATGAGACTCGGACGAAACCGGGSTTCGACACTCTCAGGGCTTGAGGTTTCTGTCTGGCTGGT 22
 QY 21 LeuLeuLeuGlyAlaCysGlnAlaHisProLeuProAspSerSerLeuLeuGlnPhe 40
 Db 229 CTTTCGTGGTAGAGCTCTCCAGGCACACCCCATCTCCGATTCACAGTCTCTCTCGCAATTC 288
 QY 41 GlyGlyGlnValAlaArgGlnArgTyrLeuTyrThrAspAspAlaGlnGlnThrGlyAlaHis 60
 Db 289 GGGGGCCCAAGTCCGGCAGCGCGTACCTCTACACAGATGATGCCACAGACAGAAAGCCGAC 348
 QY 61 LeuGlnIleArgGlnAspGlyThrValGlyGlyAlaAlaAspGlnSerProGlnSerLeu 80
 Db 349 CTGAGAGTTCAGGGAGGATGGAGCGGTGGGGGGCGCTGTACACAGACCCCGAAAGTTC 408
 QY 81 LeuGlnLeuLysAlaLeuLysProGlyValIleGlnIleLeuGlyValLysThrSerArg 100
 Db 409 CTCACACTGAASCTTGAAGCCGGAGACTTATTCAAATCTTGGGAGTCAGACATCCAGG 467
 QY 101 PheLeuCys 103
 Db 468 TTCCTGTGC 476

RESULT

US-09-949-016-2335
; Sequence 2335, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION

APPLICANT: VENTED

INVENTOR: VENER, J. Craig et al

TITLE OF INVENTION: POLYMORPHISMS

FILE REFERENCE: CI001307

22001507
CURRENT APPLICATION NUMBER: IIS/00/040 013
AND USES THEREOF

CURRENT FILING DATE: 2000-04-14
NUMBER: 05/09/949, 016

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,766

PRIOR APPLICATION DATE: 2000-10-03

PRIOR FILING DATE: 60/231,498

NUMBER OF SEQ ID NOS: 307012

SOFTWARE: FastSEO for Windows "v1.0.0"

SEQ ID NO 2335

LENGTH: 651

TYPE: DNA

ORGANISM: Human

8-09-949-016-2335

Alignment scores

red. No.:

core:	1.88e-13	Length
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Percent Similarity:	Matches
273.00	2
49.52%	1

Conservation

Mismatch


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QY      68  ThrValGlyValAlaAlaAspGlnSerProGluSerLeuGlnLeuValLeuLys 87
Db      662  CTCCTGAGCTCCGGCGGGCGGAGCGGCGACAGTTGGAGATCTAAGGACGTCCT 721
QY      88  ProGlyValIleGlnIleLeuGlyValIleThrSerArgPheLeuCySGlnArgProAsp 107
Db      722  CTCGGACCGTGGCCATCAAGGCGGTGACAGCGCGGTACTCTGACATGGCGCGCGAC 781
QY      108  GlyAlaLeuTyrgLysSerLeuHisPheAspProGluAlaCySerPheArgGluLeu 127
Db      782  GGCAGATGACAGGGCGGTCTTCAAGTCCGAGAGACGCTGCTTTCGAGAGAGAGATC 841
QY      128  LeuGluAspGlyTyrgAsnValTyrgLysSerGluAlaHisGlyLeuProLeuHisLeuPro 147
Db      842  CCCCCAGATGGCTACATGTGTACGATCCGAGAGACCGCTCCCGGTCTCCCTGAGC 901
QY      148  GlyAlaLeuTyrgLysSerProHisArgAspProAlaProArgGlyProAlaArgPheLeuPro 166
Db      902  AGTGCMAACAG-----CGCGAGCTGTACAGAGACAGAGCG-----TTTCTTCACTC 949
QY      167  -----LeuProGlyLeuProProAlaProProGlyProProGlyTle----- 180
Db      950  TCTATTTCCTGCTCCCATGCTGCCCATGTCCTCAGAGAGAGCTGAGACCTCAGGAGCGCAC 1009
QY      181  -----LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMet 196
Db      1010  TTGGAAATCTGACATGTTCTTCTTCCGCTGAGACCGACGACATGATGACCATTTGGAGCTT 1069
QY      197  Val---GlyProSerGlnGlyArgSerProSerTyr 207
Db      1070  GTACCGGACTGAGAGCGCGTGTAGAGTCCAGCTTT 1105

RESULT 9
US-09-905-125A-58
; Sequence 58, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Borstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698

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; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-125A-58

Alignment Scores:
Pred. No.: 7,94e-13 Length: 2137
Score: 273.00 Matches: 78
Percent Similarity: 49.53% Conservative: 27
Best Local Similarity: 36.79% Mismatches: 81
Query Match: 24.46% Gaps: 26
Indels: 9

US-09-391-861-2 (1-209) x US-09-905-125A-58 (1-2137)
QY      11  SerGlyLeuTrpValSerValLeuAlaGlyLeuLeuGlyAlaCySGlnAlaHisPro 30
Db      503  GCCGGCTCTGGCTGGCGCTG-----GCCGGCGCCCTCCCTCC----- 541
QY      31  IleProAspSerSerProLeuLeuGlnPhe-----GlyGlyGlnValArgGlnArgTyr 48
Db      542  TTCTCGAGCGCGGGCGCCCGACAGTGTCACTACGCTGGGGGACCCCATCCGCTCGCGCAC 601
QY      49  LeuTyrrTrpAspArgAlaGln-----GlnThrGluAlaHisLeuGluIleArgGluAspGly 67
Db      602  CTGTACACTCCGCGCCCGCCACAGCGCTCTCCAGCTGCTTCTCGCATCGTCCGACCGC 661
QY      68  ThrValGlyGlyAlaAlaAspGlnSerProGluSerLeuGlnLeuValLeuLys 87
Db      662  CTCCTGAGCTCCGGCGGGCGGAGCGGCGACAGTTGGAGATCTAAGGACGTCCT 721
QY      88  ProGlyValIleGlnIleLeuGlyValIleThrSerArgPheLeuCySGlnArgProAsp 107
Db      722  CTCGGACCGTGGCCATCAAGGCGGTGACAGCGCGGTACTCTGACATGGCGCGCGAC 781
QY      108  GlyAlaLeuTyrgLysSerLeuHisPheAspProGluAlaCySerPheArgGluLeu 127
Db      782  GGCAGATGACAGGGCGGTCTTCAAGTCCGAGAGACCGCTCCCGGTCTCCCTGAGC 841
QY      128  LeuGluAspGlyTyrgAsnValTyrgLysSerGluAlaHisGlyLeuProLeuHisLeuPro 147
Db      842  CCCCCAGATGGCTACATGTGTACGATCCGAGAGACCGCTCCCGGTCTCCCTGAGC 901

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Qy	148	GIylenlyVSeSPrHnIhArBPrRoAlaPrRoAlaNgJyPrRoAlaNgPhnleuPro---	166
Db	902	AGTGCACAAACAG--CGGAGCTGTACAAAGACAGAGG-----TTTCTTCCACTC	949
Qy	167	-----LeuPrGJyLeuPrProRoAlaPrProGluPrProGJyLe-----	180
Db	950	TTCTATTCTGCCCCATGCTGCCCCATGATGCCAGAGAGACCTGAGAGACTCAGGGCCAC	1005
Qy	181	-----LeuAlaPrGJyLeuPrProRoAlaPrValGlySeSeSaPrProLeuSerMet	196
Db	1010	TTGGAATCTGACATGTCTTCTTCGCCCTGGAGAGACCGACAGCATGACCATTTGGGCTT	1065
Qy	197	Val---GlyPrSeSerGJyAlaArgSePrProStryr	207
Db	1070	GTACCCGAGCTGGAGCGCCGTGAGAGATCCAGCTTT	1105
RESULT 10			
US-09-902-775A-58			
Sequence 58, Application US/09902775A			
Patent No. 6566451			
GENERAL INFORMATION:			
APPLICANT: Genentech, Inc.			
APPLICANT: Ashkenazi, Avi			
APPLICANT: Botstein, David			
APPLICANT: Deanovs, Luc			
APPLICANT: Eaton, Dan L.			
APPLICANT: Ferrara, Napoleone			
APPLICANT: Filvaroff, Ellen			
APPLICANT: Fong, Sherman			
APPLICANT: Gao, Wei-Qiang			
APPLICANT: Gerber, Hanspeter			
APPLICANT: Gerritsen, Mary E.			
APPLICANT: Goddard, A.			
APPLICANT: Godowski, Paul J.			
APPLICANT: Grimaldi, Christopher J.			
APPLICANT: Gurney, Austin L.			
APPLICANT: Hillan, Kenneth, J.			
APPLICANT: Kijavlin, Ivar J.			
APPLICANT: Macher, Jennie P.			
APPLICANT: Pan, James			
APPLICANT: Paoni, Nicholas F.			
APPLICANT: Roy, Margaret Ann			
APPLICANT: Stewart, Timothy A.			
APPLICANT: Tumas, Daniel			
APPLICANT: Williams, P. Mickey			
APPLICANT: Wood, William, I.			
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
FILE REFERENCE: 10466-14			
CURRENT APPLICATION NUMBER: US/09/902,775A			
CURRENT FILING DATE: 2001-07-10			
PRIOR APPLICATION NUMBER: PCT/US00/04414			
PRIOR FILING DATE: 2000-02-22			
PRIOR APPLICATION NUMBER: US 60/143,048			
PRIOR FILING DATE: 1999-07-07			
PRIOR APPLICATION NUMBER: US 60/145,698			
PRIOR FILING DATE: 1999-07-26			
PRIOR APPLICATION NUMBER: US 60/146,222			
PRIOR FILING DATE: 1999-07-28			
PRIOR APPLICATION NUMBER: PCT/US99/20594			
PRIOR FILING DATE: 1999-09-08			
PRIOR APPLICATION NUMBER: PCT/US99/20944			
PRIOR FILING DATE: 1999-09-13			
PRIOR APPLICATION NUMBER: PCT/US99/21090			
PRIOR FILING DATE: 1999-09-15			
PRIOR APPLICATION NUMBER: PCT/US99/21547			
PRIOR FILING DATE: 1999-09-15			
PRIOR APPLICATION NUMBER: PCT/US99/23089			
PRIOR FILING DATE: 1999-10-05			
PRIOR APPLICATION NUMBER: PCT/US99/28214			
PRIOR FILING DATE: 1999-11-29			
PRIOR APPLICATION NUMBER: PCT/US99/28313			

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      PRIOR FILING DATE: 1999-11-30
      PRIOR APPLICATION NUMBER: PCT/US99/28564
      PRIOR FILING DATE: 1999-12-02
      PRIOR APPLICATION NUMBER: PCT/US99/28565
      PRIOR FILING DATE: 1999-12-02
      PRIOR APPLICATION NUMBER: PCT/US99/30095
      PRIOR FILING DATE: 1999-12-16
      PRIOR APPLICATION NUMBER: PCT/US99/30911
      PRIOR FILING DATE: 1999-12-20
      PRIOR APPLICATION NUMBER: PCT/US99/30999
      PRIOR FILING DATE: 1999-12-20
      PRIOR APPLICATION NUMBER: PCT/US00/00219
      PRIOR FILING DATE: 2000-01-05
      NUMBER OF SEQ ID NOS: 423
      SEQ ID NO 58
      LENGTH: 2137
      TYPE: DNA
      ORGANISM: Homo sapiens
US-09-902-775A-58

Alignment Scores:
Pred. No.: 7,94e-13 Length: 2137
Score: 273.00 Matches: 78
Percent Similarity: 49.53% Conservative: 27
Best Local Similarity: 36.79% Mismatches: 81
Query Match: 24.46% Indels: 26
DB: 3 Gaps: 9

US-09-391-861-2 (1-209) x US-09-902-775A-58 (1-2137)

QY 11 SerGlyLeuTPRpaValSerValLeuAlaGlyLeuLeuLeuGlyAlaCyseGlnAlaHisPro 30
   ::::::::::::::::::::::::::::
DB 503 GCCGCCCTCTGAGCTGCGCCGTG---GCCCGCGGCCCTCCGCGC----- 541

QY 31 IleProAspSerSerProLeuLeuGlnHe-----GlyGlyGlnValArgGlnArgTy 48
   ::::::::::::::::::::::::::::
DB 542 TTCTCGAGCGGGGGCCCGACGTCGACACGCGCTGGGGCGAGCCCATCGCTCGCGCGAC 601

QY 49 LeuTyTPRpaAspAlaGln---GlnThrGlnAlaHisLeuGlnIleArgGlnAspGly 67
   ::::::::::::::::::::::::::::
DB 602 CTGTAACCTCCGCGCCCGCCACGGGCTCTCCAGCTGCTTCTCGCATCCGTCCGACCGC 661

QY 68 ThrValGlyGlyAlaAlaAspGlnSerProGlnSerLeuLeuGlnLeuAlaLeuLys 87
   |||
DB 662 GTCGCGACTCGCGCGCGCGCCAGAGCGCAGCATGTTGTCGAGATCAAGCAGTCCCT 721

QY 88 ProGlyValIleGlnIleLeuGlyValIleThrSerArgPheLeuCyseGlnArgPro 107
   ::::::::::::::::::::
DB 722 CTGCGGACCGCGGCATCAAGCGCGTCGACAGCGTCCGTACCTTGTATGGCGCCGAC 781

QY 108 GlyAlaLeuTyrgLysSerLeuHisPheAspProGlnAlaCyseSerPheArgGlnLeu 127
   |||
DB 782 GGCAGAGATGCGAGGGGCTCTTCAGTACTCGAGAGAAAGCTGTCTTTTCGAGAGGAGATC 841

QY 128 LeuGlnAspGlyTyraSerValTyrgLnsSerGlnAlaHisGlyLeuProLeuHisLeuPro 147
   |||
DB 842 CGCCCAAGATGCTCAATGATGTACCGAGTCGAGAAAGCACCCGCTCCGCTTCCCTGAGC 901

QY 148 GlyAsnLeuSerProHisAspArgAspProAlaProArgGlyProAlaArgPheLeuPro 166
   ::
DB 902 AGTGCACAAACG---CGCAGACTGTACAAAGAACAGAGC-----TTTCTTCCACTC 949

QY 167 -----LeuProGlyLeuProProAlaProProGlnProProGlyIle----- 180
   |||
DB 950 TCTCATTTCTCGCCCAAGCTGCGCATGTCTCCAGAGAGGAGCTTGAGAGACTCAGGGGCCAC 1006

QY 181 -----LeuAlaProGlnIleProProAspValGlySerSerAspProLeuSerMet 196
   |||
DB 1010 TTGGAATCTGACATGTTCTCTTCGCCCTCGTAGAACCCAGACACATGATCCATTGGGCTT 1065

QY 197 Val---GlyProSerGlnGlyArgSerProSerTy 207
   |||
DB 1070 GTCAACCGGACTGAGAGCGCGTAGAGAGATCCACGCTTT 1105

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RESULT 11
US-09-906-700-58
Sequence 58, Application US/09906700
Patent No. 6723535
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US 09/906,700
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 58
LENGTH: 2137

TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-700-58
Alignment Scores:
Pred. No.: 7,946-13
Score: 273.00
Percent Similarity: 49.53%
Best Local Similarity: 36.79%
Query Match: 24.46%
DB: 3
Gaps: 9
US-09-391-861-2 (1-209) x US-09-906-700-58 (1-2137)
QY 11 SerGlyLeuTTPVAlSerValLeuAlaGlyLeuLeuGlyAlaCysGlnAlaHisPro 30
Db 503 GCGGCTCTGGCTGGCGCGTGG---GCCGGGCGCGCCCTCGCC-----541
QY 31 IleProAspSerSerProLeuLeuGlnPhe-----GlyGlyGlnValArgGlnArgTyr 48
Db 542 TTCCTCGACCGCGGGGCCCGCCAGCTGACCTAGCGCTGGGCGACCCCATCGCTCGCGGCAC 601
QY 49 LeuTyrThrAspAspAlaGln---GlnThrGlnAlaHisLeuGlnIleArgGlnAspGly 67
Db 602 CTGTACACCTCCGCGCCCGCCCGCGGCTCTCGAGCTGCTTCTCGGCATCTCGTCCGACGCGC 661
QY 68 ThrValGlyGlyAlaAlaAspGlnSerProGlnSerLeuGlnLeuValAlaLeuVal 87
Db 662 GTCTGTGACTGCG 721
QY 88 ProGlyValIleGlnIleLeuGlyValIleValIleValIleValIleValIleValIleVal 107
Db 722 CTGCGGACCGTGGCGCATTAAGGCGTGCACAGCGTGGCGTGACTCTGCATCGGCGCGCGC 781
QY 108 GlyAlaLeuTyrGlySerLeuHisAspAspProGlnAlaCysSerPheArgGlnLeu 127
Db 782 GCGAAGATGAGCGGCGCGCTTCAGTACTCGAGAGAAAGACTGCTGCTTCAGAGAGAGATC 841
QY 128 LeuGlnAspGlyTyrAsnValTyrGlnSerGlnAlaHisGlyLeuProLeuHisLeuPro 147
Db 842 CGCCCAATGCTGACATGTGTATCGCATCCGAGAGACCGCGCTCCCGGTCTCCCTGAGC 901
QY 148 GlyAsnLysSerProHisArgAspProAlaProArgGlyProAlaArgPheLeuPro 166
Db 902 AGTCCCAACAG---CGGACGCTGTACAAGACAGAGGC-----TTCTTCACTC 949
QY 167 -----LeuProGlyLeuProProAlaProProGlnProProGlyIle-----180
Db 950 TCTCATTTCTGCTGCGCATGTGCTCCATGTCCAGAGAGCGCTGAGACCTCAGGCGGCAC 1009
QY 181 -----LeuAlaProGlnProProAspValGlySerAspProLeuSerMet 196
Db 1010 TTGGAATCTGACATGTTCTTCCGCGCCCTGAGACCGACAGCATGACATTTGGGCTT 1069
QY 197 Val---GlyProSerGlnGlyArgSerProSerTyr 207
Db 1070 GTTCACCGACTGAGAGCGCGTGAAGATCCCAAGCTTT 1105
RESULT 12
US-09-903-603A-58
Sequence 58, Application US/09903603A
Patent No. 6767995
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter

APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: GNE.1618P2C12
CURRENT APPLICATION NUMBER: US/09/903,603A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
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PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
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PRIOR FILING DATE: 1999-12-16
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PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 58
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo sapiens
US-09-903-603A-58
Alignment Scores:
Pred. No.: 7,94e-13 Length: 2137
Score: 273.00 Matches: 78
Percent Similarity: 49.53% Conservative: 27
Best Local Similarity: 36.79% Mismatches: 81
Query Match: 24.46% Indels: 26
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RESULT 13
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Sequence 58, Application US/09904920A
Patent No. 6806352
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Aekkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

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/ TITLE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/904,920A
/ PRIOR FILING DATE: 2001-07-13
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
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/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 58
/ LENGTH: 2137
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-904-920A-58

Alignment Scores:
Pred. No.: 7,94e-13
Score: 273.00
Percent Similarity: 49.53%
Best Local Similarity: 36.79%
Query Match: 24.46%
DB: 3
Gaps: 9

US-09-391-861-2 (1-209) x US-09-904-920A-58 (1-2137)
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DB 503 GCGGCGCTCTGCGGCGGCGTGG---GCGGCGGCGCGCGCTCGCC----- 541
QY 31 IleProAspSerSerProLeuLeuGlnPhe-----GlyGlyGlnValArgGlnArgTyr 48
DB 542 TTCTCGGACCGCGGCGGCGGCGGCGACTGCTCTTCGCGCATCCGTCGCGGCGAC 601
QY 49 LeuTyrThrAspAspAlaGln---GlnThrGlnAlaHisLeuGluLeuLeuArgGluAspGly 67
DB 602 CTGACACCTTCGCGGCGGCGGCGGCGGCTCTTCGCGCATCCGTCGCGGCGGCG 661
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DB 107
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DB 782 GGCAGATGTCAGGCGGCGCTCTTCGATGCTCGGAGGAGAACGTGTCTTCGAGGAGGAGATC 841
QY 128 LeuGluAspGlyTyrAsnValTyrGlnSerGluAlaHisGlyLeuProLeuHisLeuPro 147
DB 842 CCGCCAGATGGCTACAAATGTGTACCGATCCGAGAGACCGCTCCGCTCTCCGAC 901
QY 148 GlyAsnLysSerProHisArgAspProAlaProAlaGlyProAlaArgPheLeuPro--- 166
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QY 167 -----LeuProGlyLeuProProAlaProProGluProProGlyLeu----- 180
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/ Sequence 58, Application US/09909064
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/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Bostein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Batson, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gertsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Guiney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kijavlin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumaz, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,064
/ PRIOR FILING DATE: 2001-07-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
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/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
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/ PRIOR APPLICATION NUMBER: PCT/US99/20944
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; PRIOR FILING DATE: 1999-12-20
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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-381A-58

Alignment Scores:
Pred. No.: 7,94e-13      Length: 2137
Score: 273.00           Matches: 78
Percent Similarity: 49.53%      Conservative: 27
Best Local Similarity: 36.79%    Mismatches: 81
Query Match: 24.46%           Indels: 26
DB: 3                      Gaps: 9

US-09-391-861-2 (1-209) x US-09-905-381A-58 (1-2137)

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DB 503 GCCGGCTCTGGCTGGCGGTG---GCCGGCGGCCCTCGCC-----541
QY 31 IleProAspSerProLeuLeuGlnPhe-----GlyGlyGlnValArgGlnArgTyr 48
DB 542 TTCGCGACCGGGGGGCCACGTCACCTACGCTGGGGGCGACCCCATCCGCTCGCGCAC 601
QY 49 LeuTyrThrAspAlaGln---GlnThrGlnAlaHisLeuGlnu1eArgGluAspGly 67
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QY 167 -----LeuProGlyLeuProProAlaProProGluProProGlyIle-----180
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QY 181 -----LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMet 196
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Search completed: November 28, 2005, 13:30:45
Job time : 176.589 secs

GenCore version 5.1.6
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Total number of hits satisfying chosen parameters: 2599977

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Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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	C	24	3.8	422	3	US-09-640-211A-241	Sequence 241, App
	C	25	3.8	485	3	US-09-585-645A-59	Sequence 59, App
	C	26	3.8	540	3	US-09-902-540-8091	Sequence 8091, App
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ALIGNMENTS

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Patent No. 6504530
GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 98-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 1190
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (142)..(771)
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Query Match: 100.00%
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Db 562 GGCCTCCCGCTGACACCTGGCAAGAACAGTCCCAACACCGGAGCCCTGCAACCCAGGA 621
Qy 161 ProAlaArgPheLeuProLeuProG1YLeuProProAlaProProG1uPProProG1yLe 180
Db 622 CCACCTGCTTCCGTCACCTACCAAGCTGCCCCCGGACCCCGGAGCCACCCGGAATC 681
Qy 181 LeuAlaProGlnProProAspValG1YSerSerAspProLeuSerMetValG1YProSer 200
Db 682 CTGGCCCCCAGCCCCCGATGTGGGCTCTCGGACCTCTGAGCATGTGTGGAGCTTTC 741
Qy 201 G1NG1YArgSerProSerTyrAlaSer 209
Db 742 CAGGGCCGAAAGCCCGACTACGCTTCC 768

RESULT 2
US-09-715-805-3
Sequence 3, Application US/09715805
Patent No. 6716626
GENERAL INFORMATION:
APPLICANT: Itoh, No. 6716626yuki
APPLICANT: Kavanagh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
FILE REFERENCE: PP-16758-001/201130.408
CURRENT APPLICATION NUMBER: US/09/715.805
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PaeSeco for Windows Version 4.0
SEQ ID NO 3
LENGTH: 643
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (9)...(638)
US-09-715-805-3

Alignment Scores:
Pred. No.:
Score:
Percent Similarity:
Best Local Similarity:
Query Match:
DB:

5.61e-158
173.00
99.05%
99.05%
82.78%
3

Length:
Matches:
Conservative:
Mismatch:
Indels:
Gaps:

643
208
0
1
2
0

US-09-391-861-2 (1-209) x US-09-715-805-3 (1-643)
Qy 1 MetAspSerAspGlnThrGlyPheGlnHisSerGlyLeuTyrValSerValLeuAlaGly 20
Db 9 ATGACCTGGACGAGCCGGGTTTGGACACTGAGGACTGCTGGCTTCTGCTGGCTGGT 68
Qy 21 LeuLeuLeuGlyAlaCysGlnAlaHisProIleProAspSerSerProLeuLeuGlnPhe 40
Db 69 CTTTGTGTGGAGCCTGGACGACACCCCACTCCCTGACTCCGACTCTCTCCGCAATTC 128
Qy 41 G1YGIYGLNValArgGlnArgTyrLeuTyrThrAspAspAlaGlnGlnThrGlnAlaHis 60
Db 129 GGGGGCCAAAGTCCGGACGCGGTACCTCTACACAGATGATGCCAGACAGACAGAGCCAC 188
Qy 61 LeuGlnIleArgGlnAspGlyThrValG1YGLYAlaAlaAspGlnSerProG1userLeu 80
Db 189 CTGGAGATCAGGGAGAGATGGAGCGGTGGGGGGCTGTGACCAAGAGCCCGAAAGTCTC 248
Qy 81 LeuGlnIleArgGlnAspGlyThrValG1YGLYAlaAlaAspGlnSerProG1userLeu 100
Db 249 CTGCACTGAAAGCTTGAAAGCCGGAGATTATTCMAATCTTGGAGTCAAGACATCCAG 308
Qy 101 PheLeuCysGlnArgProAspGlyAlaLeuTyrG1SerLeuHisPheAspProG1uAla 120
Db 309 TTCTGTGGCAGCGCCGACATGGGGCCCTGTATGATCGCTCACTTGACCTGAGGCC 368
Qy 121 CysSerPheArgGlnLeuLeuLeuGlnAspGlyTyrAsnValTyrGlnSerG1uAlaHis 140
Db 369 TGCAGCTTCCGGGAGCTCTCTTGAAGACGATACATGTTTACACAGTCCGAAAGCCAC 428
Qy 141 G1YLeuProLeuHisLeuProG1YAsnLysSerProHisArgAspProAlaProArgGly 160
Db 429 GGCCTCCCGCTGACACCTGGCAAGAACAGTCCCAACACCGGAGCCCTGCAACCCAGGA 488
Qy 161 ProAlaArgPheLeuProLeuProG1YLeuProProAlaProProG1uPProProG1yLe 180
Db 489 CCAGCTGCTTCCGTCACCTACCAAGCTGCCCCCGGACCTCCGAGACCCCGGAAT 547
Qy 180 eLeuAlaProGlnProProAspValG1YSerSerAspProLeuSerMetValG1YProSe 200
Db 548 CTGGCCCCCAGCCCCCGATGTGGGCTCTCGGACCTCTGAGCATGTGTGGAGCTTTC 607
Qy 200 G1NG1YArgSerProSerTyrAlaSer 209
Db 608 CAGGGCCGAAAGCCCGACTACGCTTCC 635

RESULT 3
US-09-621-976-1353
Sequence 1353, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621.976
NUMBER OF SEQ ID NOS: 200-07-21
SOFTWARE: Patent .pm
SEQ ID NO 1353
LENGTH: 477
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 169..423
NAME/KEY: sig_peptide
LOCATION: 168..252
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 11.3000001907349
OTHER INFORMATION: seq SVLGLLLGACQ/HP

```

; NAME/KEY: misc_feature
; LOCATION: 207
; OTHER INFORMATION: nra, g, c or t
US-09-621-976-1353

Alignment Scores:
Pred. No.: 2,866-67 Length: 477
Score: 79.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.80% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-2 (1-209) x US-09-621-976-1353 (1-477)

Qy 1 MetApSerApGluThrGlyPheGluHisSerGlyLeuTrpValSerValLeuAlaGly 20
Db 169 ATGAGCTCGAGCGARACCGGGTTCGAGCCTCAGGGCTTGCTGCTGGCTGGT 228

Qy 21 LeuLeuGluGlyAlaCysGluAlaHisProIleProAspSerSerProLeuGluPhe 40
Db 229 CTCTGCTGGAGGCTGCGACGACACCCCATCCCTGATTCAGTCTCTCTGCAATTC 288

Qy 41 GlyGlyGlnValArgGlnArgTyrLeuTyrThrAspAspAlaGlnGlnThrGluAlaHis 60
Db 289 GGGGGCCAGTCCGCGACGGGTACTCTTACACAGATGATGCCCGACAGACAGAAAGCCAC 348

Qy 61 LeuGluIleArgGluAspGlyThrValGlyAlaAlaAspGlnSerProGluSer 79
Db 349 CTGAGAGATCAGAGGAGATGAGGAGCGGTGGGGCGCTGCTGACAGAGCCGAAAGT 405

RESULT 4
US-09-390-207-3
; Sequence 3, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomason, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 649
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(630)
US-09-390-207-3

Alignment Scores:
Pred. No.: 8,626-20 Length: 649
Score: 30.00 Matches: 30
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 14.35% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-2 (1-209) x US-09-390-207-3 (1-649)

Qy 115 HisPheAspProGluAlaCysSerPheArgGluLeuLeuGluAspGlyTyrAsnVal 134
Db 346 CACTTGTATCTTGAGGCTTCGAGAACTGCTGCTGAGAGACGGTTACATATGTG 405

Qy 135 TyrGlnSerGluAlaHisGlyLeuProLeu 144
Db 406 TACCAGTCTGAAGCCATGGCTGCCCTG 435

RESULT 5
US-09-715-805-1
```

```

; Sequence 1, Application US/09715805
; Patent No. 6716526
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 671626uyuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN EGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130,408
; CURRENT APPLICATION NUMBER: US/09/715,805
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (14)...(646)
US-09-715-805-1

Alignment Scores:
Pred. No.: 8,756-20 Length: 659
Score: 30.00 Matches: 30
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 14.35% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-2 (1-209) x US-09-715-805-1 (1-659)

Qy 115 HisPheAspProGluAlaCysSerPheArgGluLeuLeuGluAspGlyTyrAsnVal 134
Db 359 CACTTGTATCTTGAGGCTTCGAGAACTGCTGCTGAGAGACGGTTACATATGTG 418

Qy 135 TyrGlnSerGluAlaHisGlyLeuProLeu 144
Db 419 TACCAGTCTGAAGCCATGGCTGCCCTG 448

RESULT 6
US-09-665-493B-6
; Sequence 6, Application US/09665493B
; Patent No. 6943153
; GENERAL INFORMATION:
; APPLICANT: Manning, William C., Jr.
; APPLICANT: Dwariki, Varavani J.
; APPLICANT: Rendahl, Katherine
; APPLICANT: Zhou, Shang-Zhen
; APPLICANT: McGee, Laura H.
; APPLICANT: Lau, Dana
; APPLICANT: Flannery, John G.
; APPLICANT: Miller, Sheldon
; APPLICANT: Wang, Fei
; TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
; FILE REFERENCE: PP1588,005 (20263,40)
; CURRENT APPLICATION NUMBER: US/09/665,493B
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-665-493B-6

Alignment Scores:
Pred. No.: 8,756-20 Length: 659
Score: 30.00 Matches: 30
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 14.35% Indels: 0
```

DB: 3 Gaps: 0
US-09-391-861-2 (1-209) x US-09-665-493B-6 (1-659)
QY 115 HisPheAProGluAaCysSerPheArgGluLeuLeuGluAaPglYTYAaVal 134
DB 359 CACTTGATCTGAGGCTCGAGCTTCAGAGACTGCTGAGAGACGGTTACATGTG 418
QY 135 TyGlnSerGluAaHisGlyLeuProLeu 144
DB 419 TACCACTCGAAGCCCAAGGCTGCGCCCTG 448
RESULT 7
US-09-949-016-17271/C
Sequence 17271, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT FILING DATE: 2000-04-14
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17271
LENGTH: 15945
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(15945)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17271
Alignment Scores:
Pred. No.: 41.3
Score: 10.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 4.78%
Matches: 15945
Conservative: 10
Mismatches: 0
Indels: 0
Gaps: 0
US-09-391-861-2 (1-209) x US-09-949-016-17271 (1-15945)
QY 166 ProLeuProGlyLeuProProAlaProPro 175
DB 10080 CCTCTCCCTGCGCTCGACCTGCTCCACCA 10051
RESULT 8
US-09-902-540-6951
Sequence 6951, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 6951
LENGTH: 454

TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-6951
Alignment Scores:
Pred. No.: 11.9
Score: 9.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 4.31%
Matches: 454
Conservative: 9
Mismatches: 0
Indels: 0
Gaps: 0
US-09-391-861-2 (1-209) x US-09-902-540-6951 (1-454)
QY 165 LeuProLeuProGlyLeuProProAla 173
DB 390 CTTCACCTCTGCGGCTTCTCCCGG 416
RESULT 9
US-09-949-016-142950
Sequence 142950, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT FILING DATE: 2000-04-14
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 142950
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-142950
Alignment Scores:
Pred. No.: 15.7
Score: 9.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 4.31%
Matches: 601
Conservative: 9
Mismatches: 0
Indels: 0
Gaps: 0
US-09-391-861-2 (1-209) x US-09-949-016-142950 (1-601)
QY 171 ProProAlaProProGluProProGly 179
DB 25 CCCCCCGCCCTCGGAGCGCCGCGG 51
RESULT 10
US-09-976-594-608/C
Sequence 608, Application US/09976594
Patent No. 6673549
GENERAL INFORMATION:
APPLICANT: Furness, Michael
APPLICANT: Buchinder, Jenny
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
FILE REFERENCE: PA-0041 US
CURRENT APPLICATION NUMBER: US/09/976,594
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240,409
NUMBER OF SEQ ID NOS: 1143
SOFTWARE: PERL Program
SEQ ID NO 608

```

; LENGTH: 1371
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID NO. 6673549 210011.1
US-09-976-594-608

Alignment Scores:
Pred. No.: 35          Length: 1371
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-09-976-594-608 (1-1371)

Qy 167 LeuProGlyLeuProAlaProPro 175
Db 90 TTGCCCCGGCTGCCCCCGCCCGCCG 64

RESULT 11
US-10-104-047-1645
; Sequence 1645, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1645
; LENGTH: 1686
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1645

Alignment Scores:
Pred. No.: 42.8        Length: 1686
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-10-104-047-1645 (1-1686)

Qy 154 ArgAspProAlaProArgGlyProAla 162
Db 914 CCGGATCCCGCGCCGCGCGCCGCC 940

RESULT 12
US-09-902-540-601
; Sequence 601, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 601
```

```

; LENGTH: 3891
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-601

Alignment Scores:
Pred. No.: 96.7        Length: 3891
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-09-902-540-601 (1-3891)

Qy 165 LeuProLeuProGlyLeuProProAla 173
Db 3827 CTTCACTTCTGCGCTTCTCCCGCG 3853

RESULT 13
US-09-949-016-11799
; Sequence 11799, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: PaeSeq for Windows Version 4.0
; SEQ ID NO 11799
; LENGTH: 39552
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1) .. (39552)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11799

Alignment Scores:
Pred. No.: 925         Length: 39552
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-09-949-016-11799 (1-39552)

Qy 80 LeuLeuGlnLeuLysAlaLeuLysPro 88
Db 16639 CTTCTTACGCTGAAGCACTCAAGCCC 16665

RESULT 14
US-09-949-016-15546/c
; Sequence 15546, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
```

/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 15546
/ LENGTH: 187595
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(187595)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15546

Alignment Scores:

Pred. No.:	4.21e+03	Length:	187595
Score:	9.00	Matches:	9
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	4.31%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-2 (1-209) x US-09-949-016-15546 (1-187595)

OY 76 SerProgluSerleuLeugInLeuLys 84

Db 184518 TCCCCAGAAAGCCTCCTACAGCTTAAAG 184492

RESULT 15

US-09-949-016-15779/C
/ Sequence 15779, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ FILE REFERENCE: CLO01307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 15779
/ LENGTH: 265038
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(265038)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15779

Alignment Scores:

Pred. No.:	5.9e+03	Length:	265038
Score:	9.00	Matches:	9
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	4.31%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-2 (1-209) x US-09-949-016-15779 (1-265038)

OY 171 ProProAlaProgluProgluProglu 179

Db 122601 CCCCCCGCCCTCCGAGCCGCCCGGG 122575

Search completed: November 28, 2005, 13:37:29
Job time: 242.618 secs

Db 301 AGGTTTCTTTGGCAACAGCCAGATGGAGCTCTCATGGATCGCTCATTGGATCTTGAG 366
Qy 361 GGCTCAGAGTTTACAGAACTGTGCTGTGAGAGACGGATTACATGTGTACCAAGTTGAAGCC 420
Db 361 GCTTCACACTTTCAGAGAACTGTGCTGTGAGAGACGGTTACATGTGTACCAAGTTGAAGCC 420
Qy 421 CATGGCCGTGCCCCGTGCGCTGCGCTCAGGAAGACTCCCAACAGAGATGCACATCCGTG 480
Db 421 CATGGCCGTGCCCCGTGCGCTGTGCTCAGGAAGACTCCCAACAGAGATGCACATCCGTG 480
Qy 481 GGACCTGTGGGCTTCTCTGCGCATGCCAGGCTGTGCTCAAGAGCCCCCAAGACCAAGACAGA 540
Db 481 GGACTGTGTGGCTTCTCTGCGCCATGCCAGGCTGTGCTCAAGAGCCCCCAAGACCAAGACAGA 540
Qy 541 TTCTGTGCCCCCAGAGCCCCCAGATGTGGCTTCTGTGACCCCTGTAGCAATGTGTAGAGCT 600
Db 541 TTCTGTGCCCCCAGAGCCCCCAGATGTGGCTTCTGTGACCCCTGTAGCAATGTGTAGAGCT 600
Qy 601 TTTCAGAGGCCAGAAAGCCCCCAGCTATGCGTCTTGACTTTTCTGAATCTA 649
Db 601 TTTCAGAGGCCAGAAAGCCCCCAGCTATGCGTCTTGACTTTTCTGAATCTA 649

RESULT 2
US-09-71

```

? Sequence 1, Application US/09715805
? Patent No. 6716626
? GENERAL INFORMATION:
? APPLICANT: Itoh, No. 6716626yukki
? APPLICANT: Kavanaugh, W. Michael
? TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
? FILE REFERENCE: PRODUCTS
? CURRENT APPLICATION NUMBER: US/201130.408
? CURRENT FILING DATE: 2000-11-16
? NUMBER OF SEQ ID NOS: 17
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 1
? LENGTH: 659
? TYPE: DNA
? ORGANISM: Mus musculus
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (14) ... (646)
? US-09-715-805-1

```

Query Match	98.4%	Score 638.4	DB 3	Length 659
Best Local Similarity	99.8%	Pred. No. 3.6e-174		
Matches 639	Conservative			

Qy	1	ATGAAATGATGATGATCTAGAGTTGGGACCCCTGGGACTGTGGAGTCCACATGCTGGAGCT	60
Db	14	ATGGAAATGATGATCTTAGAGTTGGGACCCCTGGGACTGTGGAGTCCAGTGTGCTGGCT	73
Qy	61	GTCCTCCGCTGGGGGGCTTACCAAGCATACCCATCCCTGACTCAGACCCCTCTCCAG	120
Db	74	GTCCTCTGCTGGGGGGCTTACCAAGCATATCCCATCCCTGACTCAGACCCCTCTCCAG	133
Qy	121	TTTGGGGGCTCAATCCGGCAGAGTAACCTCTACAACAATAGACCAACAACCTGAAGCC	180
Db	134	TTTGGGGGCTCAATCCGGCAGAGTAACTCTACACAATAGACCAACAACCTGAAGCC	193
Qy	181	CACCTGAGATCAGGAGGATGGAACAGTGTAGGCGCAGCACCGCAGTCCAGAAAGT	240
Db	194	CACCTGAGATCAGGAGGATGGAACAGTGTAGGCGCAGCACCGCAGTCCAGAAAGT	253
Qy	241	CTCCTGAGACTCAAAAGCCTTGAACCCAGGGGCTATTTCAATCTGGAGTCAAAAGCCTT	300
Db	254	CTCCTGAGACTCAAAAGCCTTGAACCCAGGGGCTATTTCAATCTGGAGTCAAAAGCCTT	313
Qy	301	AGGTTCTTTTCCAAACGCCAGATGAGAGCTCTATGATGGCCTCACTTGAATCCTGAG	360

Db 314 AGGTTTCTTTGCCAAGCCAGATGAGCTCTGTATGGATCGGCTCATTGTATCCTGAG 37

OY 361 GCTTCGACGCTTCAAGAGAACTGCTCTGGAGAGCGTTTAACTATGTATCCAGTCTGAAGCC 422

Db 374 GCTTCGACGCTTCAAGAGAACTGCTCTGGAGAGCGTTTAACTATGTATCCAGTCTGAAGCC 433

OY 421 CATGGCCGCCCCCTGCTGCTGCTCAAGAAAGACTCCCAAGCAGATGCAACATCTGG 480

Db 434 CATGGCCGCCCCCTGCTGCTGCTCAAGAAAGACTCCCAAGCAGATGCAACATCTGG 493

OY 481 GACCTTGAGGCTTCCGCGCCCATGCCAGGCTGTCTCAAGAGCCCAAGACCAAGAGGA 540

Db 494 GACCTTGAGGCTTCCGCGCCCATGCCAGGCTGTCTCAAGAGCCCAAGACCAAGAGGA 553

OY 541 TTCTGCCCCCAGAGCCCCCAGATGTGGGCTCTCTGACCCCCCTGAGCAGTGTAGAGCTT 600

Db 554 TTCTGCCCCCAGAGCCCCCAGATGTGGGCTCTCTGACCCCCCTGAGCAGTGTAGAGCTT 613

OY 601 TTTCAGAGGCCAGAGCCCCCAGATGTGGGCTCTCTGACCTTTTC 640

Db 614 TTTCAGAGGCCAGAGCCCCCAGATGTGGGCTCTCTGACCTTTTC 653

RESULT 3
US-09-66

```

1 Sequence 6, Application US/09665493B
2
3 Patent No. 6943153
4
5 GENERAL INFORMATION:
6
7 APPLICANT: Manning, William C., Jr.
8
9 APPLICANT: Dwaraki, Varavari J.
10
11 APPLICANT: Rendahl, Katherine
12
13 APPLICANT: Zhou, Shang-Zhen
14
15 APPLICANT: McGee, Laura H.
16
17 APPLICANT: Lau, Dana
18
19 APPLICANT: Flamey, John G.
20
21 APPLICANT: Miller, Sheldon
22
23 APPLICANT: Wang, Fei
24
25 APPLICANT: Di Polo, Adriana
26
27 TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
28
29 TITLE OF INVENTION: FOR TREATING OR PREVENTING DISEASES OF THE EYE
30
31 FILE REFERENCE: P1588.005 (20263.40)
32
33 CURRENT APPLICATION NUMBER: US/09/665,493B
34
35 CURRENT FILING DATE: 2000-09-20
36
37 NUMBER OF SEQ ID NOS: 12
38
39 SOFTWARE: FastSeq for Windows Version 4.0
40
41 SEQ ID NO 6
42
43 LENGTH: 659
44
45 TYPE: DNA
46
47 ORGANISM: Homo sapien
48
49 US-09-665-493B-6

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Query Match	98.4%;	Score 638.4;	DB 3;	Length 659;
Best Local Similarity	99.8%;	Pred. No. 3.6e-174;		
Matches 639; Conservative	0.0;	Microbial		

		Indels	Gaps	
QY	I ATGGAATGATGATGACTGAGTTGGGACCTGGGACTGTGGGTCCGACTGCTGCTGGT			60
Db	14 ATGGAATGATGATGATCTTAGACTTTGGACCTGTGGACTGTGGGTCCGACTGCTGCTGGT			73
QY	61 GTCTTCCTGCTGGGGGCTCTACCAAGCATACCCATCCCTGACATCCAGCCCCCTCTCCAG			120
Db	74 GTCTTCCTGCTGGGGGCTCTACCAAGCATACCCATCCCTGACATCCAGCCCCCTCTCCAG			133
QY	121 TTTGGGGGTCAAAGTCCGACAGGTAACCTTACACAGATGACGACCAAGACACTGAAGCC			180
Db	134 TTTGGGGGTCAAAGTCCGACAGGTAACCTTACACAGATGACGACCAAGACACTGAAGCC			193
QY	181 CACCTGGAGATCAGGGAGGATGGAACAGTGTGATGGCGACACACCGGATGCCAGAAAGT			240
Db	194 CACCTGGAGATCAGGGAGGATGGAACAGTGTGATGGCGACACACCGGATGCCAGAAAGT			253
QY	241 CTCCTGAGACTCAAAAGCTTTGAAGCCAGGGGTCATTCAAAATCTGGGTGTCAAAAGCTCTT			300

Db 254 CTCCTGAGCTCAAAAGCTTGAGGCAAGGGGTCATTAATCTGGGTCAAAAGCTCT 313
Qy 301 AGGTTTCTTTGCGCAACAGCCAGATGAGACTCTTAATGATGCTCACTTTGATCTGAG 360
Db 314 AGGTTTCTTTGCGCAACAGCCAGATGAGACTCTTAATGATGCTCACTTTGATCTGAG 373
Qy 361 GCCTGAGACTTCAGAGAACTGCTGAGGAGACGGTTACAAATGATGACAGCTGAAAGCC 420
Db 374 GCTTGCAGCTTCAGAGAACTGCTGAGGAGACGGTTACAAATGATGACAGCTGAAAGCC 433
Qy 421 CAGGCGCTGCGCTGCGTCTGCTCAGAGAGACTCCCAAAACAGATGCAATCTCTG 480
Db 434 CAGGCGCTGCGCTGCGTCTGCTCAGAGAGACTCCCAAAACAGATGCAATCTCTG 493
Qy 481 GGACTGTGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db 494 GGACTGTGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 553
Qy 541 TTCTGCGCCCGAGAGCCCGAGATGAGGCTCTCTGACCCCGCTGAGCATGTAGAGCT 600
Db 554 TTCTGCGCCCGAGAGCCCGAGATGAGGCTCTCTGACCCCGCTGAGCATGTAGAGCT 613
Qy 601 TTACAGGCGCCAGAGCCCGAGATGAGGCTCTCTGACCTGACTCTTTC 640
Db 614 TTACAGGCGCCAGAGCCCGAGATGAGGCTCTCTGACCTGACTCTTTC 653

RESULT 4
US-09-390-207-1
; Sequence 1, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomson, Arlen
; APPLICANT: Liu, Benlian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (142)..(771)
US-09-390-207-1

Query Match 61.9%; Score 401.8; DB 3; Length 1190;
Best Local Similarity 80.7%; Pred. No. 7,7e-106;
Matches 469; Conservative 0; Mismatches 112; Indels 0; Gaps 0;
Qy 53 TGCTGGCTGCTCTCTGCTGGGGGTCTACCAAGCATACCCCATCCCTGACTCCAGGCC 112
Db 191 TGCTGGCTGCTCTCTGCTGGGGGTCTACCAAGCATACCCCATCCCTGACTCCAGGCC 250
Qy 113 TCCTCCAGTTTGGGGGTCAAGTCCGCGAGAGTACTCTACACAGATGACGACCAAGACA 172
Db 251 TCCTCCAGTTTGGGGGTCAAGTCCGCGAGAGTACTCTACACAGATGACGACCAAGACA 310
Qy 173 CTGAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGACACCGCAGTC 232
Db 311 CAGAAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGCGTGTGACGAGGCC 370
Qy 233 CAGAAAGCTTCTGAGACTCAAAAGCTTGAAGCCAGGGGTCTCAATCAATCTGAGTGA 292
Db 371 CCGAAAGCTTCTGAGACTCAAAAGCTTGAAGCCAGGGGTCTCAATCAATCTGAGTGA 430
Qy 293 AAGCTTGAAGTTCTTTGCCAAGCAGCAGATGAGTCTCTATGATGCGCTTCACTTTG 352
Db 431 AGACATCAGAGTTCTGTGCGAGCGCCAGATGAGGCGCTGTATGATGCGTCACTTTG 490

Qy 353 ATCTGAGGCTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACATGTGTACAGT 412
Db 491 ACCCTGAGGCTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACATGTGTGTACAGT 550
Qy 413 CTGAAGCCCACTGAGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 472
Db 551 CCGAAGCCCACTGAGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 610
Qy 473 CATCTGAGGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532
Db 611 CACCCGAGGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 670
Qy 533 AAGCAGATTCCTGCGCCGAGAGCCCGAGATGAGGCTCTCTGACCCCGCTGAGCATG 592
Db 671 CACCCGAGATTCCTGCGCCGAGAGCCCGAGATGAGGCTCTCTGACCCCGCTGAGCATG 730
Qy 593 TAGAGCTTTACAGAGGCGGAGCCCGAGCTATGCTGCTGA 633
Db 731 TGAGACTTCCAGAGGCGGAGCCCGAGCTATGCTGCTGA 771

RESULT 5
US-09-715-805-3
; Sequence 3, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130, 408
; CURRENT APPLICATION NUMBER: US/09/715,805
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9)...(638)
US-09-715-805-3

Query Match 61.7%; Score 400.2; DB 3; Length 643;
Best Local Similarity 80.6%; Pred. No. 1,7e-105;
Matches 468; Conservative 0; Mismatches 113; Indels 0; Gaps 0;
Qy 53 TGCTGGCTGCTCTCTGCTGGGGGTCTACCAAGCATACCCCATCCCTGACTCCAGGCC 112
Db 58 TGCTGGCTGCTCTCTGCTGGGGGTCTACCAAGCATACCCCATCCCTGACTCCAGGCC 117
Qy 113 TCCTCCAGTTTGGGGGTCAAGTCCGCGAGAGTACTCTACACAGATGACGACCAAGACA 172
Db 118 TCCTCCAGTTTGGGGGTCAAGTCCGCGAGAGTACTCTACACAGATGACGACCAAGACA 177
Qy 173 CTGAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGACACCGCAGTC 232
Db 178 CAGAAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGCGCTGTGACCAAGGCC 237
Qy 233 CAGAAAGCTTCTGAGACTCAAAAGCTTGAAGCCAGGGGTCTCAATCAATCTGAGTGA 292
Db 238 CCGAAAGCTTCTGAGACTCAAAAGCTTGAAGCCAGGGGTCTCAATCAATCTGAGTGA 297
Qy 293 AAGCTTGAAGTTCTTTGCCAAGCAGCAGATGAGTCTCTATGATGCGCTCACTTTG 352
Db 298 AGACATCAGAGTTCTGTGCGAGCGCCAGATGAGGCGCTGTATGATGCGTCACTTTG 357
Qy 353 ATCTGAGGCTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACATGTGTACAGT 412
Db 358 ACCCTGAGGCTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACATGTGTACAGT 417
Qy 413 CTGAAGCCCACTGAGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 472

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Db 418 CCGAAGCCCGACGCTCCGCTGACCTCCAGGAAACAATCCCAACACCGGAGCCCTG 477
Qy 473 CATCTGGGAGCCTGTGCGCTCTCTGCTCCATGCAAGCCTGTCTCCAGAGCCCAACAC 532
Db 478 CACCCGAGGACGACGCTGCTTCTGCTCCACTACAGAGCTGTGCCCCGCACTCCCGAGC 537
Qy 533 AAGCAGATTCCTGCTCCCGCAAGAGCCCGCAGATGTGGCTCCCTGACCCCTGAGCATGG 592
Db 538 CACCCGAGATTCCTGCTCCCGCAAGAGCCCGCAGATGTGGCTCCCTGAGCATGG 592
Qy 593 TAGAGCTTTACAGGGCCGAGAGCCCGCAGCTATGCTGCTGA 633
Db 598 TGGGACCTTCCAGGCGGAGAGCCCGCAGCTACGCTTCTGA 638
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RESULT 6
US-09-621-976-1353
/ Sequence 1353, Application US/09621976
/ Patent No. 6639063
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J. B.
/ APPLICANT: Jober, S.
/ APPLICANT: Giordano, J. Y.
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins.
/ FILE REFERENCE: GENSET.054PR2
/ CURRENT APPLICATION NUMBER: US/09/621,976
/ CURRENT FILING DATE: 2000-07-21
/ NUMBER OF SEQ ID NOS: 13335
/ SOFTWARE: Patent.pm
/ SEQ ID NO 1353
/ LENGTH: 477
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 169..423
/ NAME/KEY: s19_peptide
/ LOCATION: 169..252
/ OTHER INFORMATION: Von Heijne matrix
/ OTHER INFORMATION: score 11.300001907349
/ NAME/KEY: misc_feature
/ LOCATION: 207
/ OTHER INFORMATION: n=a, y, c or t
US-09-621-976-1353
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Query Match 26.8%; Score 173.8; DB 3; Length 477;
Best Local Similarity 80.5%; Pred. No. 3e-40;
Matches 210; Conservative 4; Mismatches 46; Indels 1; Gaps 1;
Qy 53 TGCCTGCTCTTCTCTGCTGGGGCTCTACCAAGCATACCCCATCTCTGACTCCAGCCCC 112
Db 218 TGCCTGCTCTTCTCTGCTGGGGCTCTGCGAGCAACCCCATCTCTGATTCAGTCTCT 277
Qy 113 TCTTCAAGTTTGGGGGCTCAAGTCGGGAGAGTCTCTTACACAGATGACGACAAAGCA 172
Db 278 TCTTCAATTCGGGGGCAAGTCCGCGACGGTACTCTTACACAGATGATGCCACAGCA 337
Qy 173 CTGAAGCCCACTGAGATCAGGAGATGAAACATGTGTAGGCCACACACCGCATGTC 232
Db 338 CAGAAAGCCCACTGAGATCAGGAGATGAAACATGTGTAGGCCACACACCGCATGTC 232
Qy 233 CAGAAAGCTTCCTGAGACTCAAGCTTGAAGCCAGGGGTCAATTAATCTGGGTGTC 292
Db 398 CCGAAATCTCTGCGACGTGAAA-SCTTTGAAGCCGGGAGTTATTAATCTTGGAGTCA 456
Qy 293 AAGCTCTAGGTTCTTTGCGC 313
Db 457 AGACATCCAGGTTCTCTGTC 477
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US-09-774-528-440
/ Sequence 440, Application US/09774528
/ Patent No. 6743619
/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y. Tom
/ APPLICANT: Zhou, Ping
/ APPLICANT: Goodrich, Ryle
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Asundi, Vinod
/ APPLICANT: Ren, Feiyun
/ APPLICANT: Zhang, Jie
/ APPLICANT: Zhao, Qing A.
/ APPLICANT: Yang, Yonghong
/ APPLICANT: Xue, Aidong J.
/ APPLICANT: Wehrman, Tom
/ APPLICANT: Wang, Jian-Rui
/ APPLICANT: Wang, Duntui
/ TITLE OF INVENTION: No. 6743619el Nucleic Acids and
/ FILE REFERENCE: Polypeptides
/ CURRENT APPLICATION NUMBER: US/09/774,528
/ CURRENT FILING DATE: 2001-01-30
/ NUMBER OF SEQ ID NOS: 441
/ SOFTWARE: pf_fl_genes Version 2.0
/ SEQ ID NO 440
/ LENGTH: 810
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (55) ..(810)
US-09-774-528-440
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Query Match 10.5%; Score 68.4; DB 3; Length 810;
Best Local Similarity 53.8%; Pred. No. 9.4e-10;
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;
Qy 180 CCACCTGAGATCAGGAGATGAAACGTGTAGCCGACACACCGCATCCAGAAAG 239
Db 207 CCACCTGAGATCAGGAGATGAAACGTGTAGCCGACACACCGCATCCAGAAAG 266
Qy 240 TCTCTGAGCTCAAGCTTGAAGCCAGGGGTCAATTAATCTGGGTCTCAAGCCCTC 299
Db 267 TGCCTGATGATCAGATCAGAGATGCTGCTTGTGTATTAAGTGTGATGAGCAG 326
Qy 300 TAGGTTCTTTGCCAAGCCAGATGAGCTCTATGATTCGCTCACTTGTATCTTGA 359
Db 327 AAGATACCTCTGCAATGATTTCAAGGCAACATTTTGGATCACATATTGACCCGGA 386
Qy 360 GGCCTGAGCTTCAAGAACTGCTGTGAGAGCGTTTCAATGTGTACCACTTGAAGC 419
Db 387 GAATGCAAGTTTCAACACAGAGCTGTGAAAACGGGTACGAGTCTACCACTTCTCA 446
Qy 420 CCAATGCTGCTGCTGCTGCTG 441
Db 447 GTATCACTTCTGCTGCTGCTG 468
```

```
RESULT 8
US-10-120-988-440
/ Sequence 440, Application US/10120988
/ Patent No. 6919193
/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y. Tom
/ APPLICANT: Goodrich, Ryle
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Ren, Feiyun
/ APPLICANT: Wang, Duntui
/ APPLICANT: Dmanac, Radoje T.
/ TITLE OF INVENTION: No. 691919el Nucleic Acids and
/ FILE REFERENCE: Polypeptides
/ FILE REFERENCE: 802CON
```

CURRENT APPLICATION NUMBER: US/10/120.988
CURRENT FILING DATE: 2002-04-11
PRIOR APPLICATION NUMBER: 09/774,528
PRIOR FILING DATE: 2001-01-30
NUMBER OF SEQ ID NOS: 441
SOFTWARE: pc_fl_genes version 2.0
SEQ ID NO 440
LENGTH: 810
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (53) .. (810)
US-10-988-440

Query Match 10.5%; Score 68.4; DB 3; Length 810;
Best Local Similarity 53.8%; Pred. No. 9.4e-10;
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY 180 CCACCTGAGATCAGGAGATGGAACAGTGTGGCCGACACCCGAGTCCAGAAAG 239
DB 207 CCACCTGAGATCAGGAGATGGAACAGTGTGGCCGACACCCGAGTCCAGAAAG 266
QY 240 TCTCCTGAGCTCAAGGCTTGAAGCCAGGGGTCAATCCCTGGGTCAAGCCTC 299
DB 267 TGCCTGATGATCAGATCAGAGATGCTGGCTTTGTGTGATTCAGAGTGTGATGAGCAG 326
QY 300 TAGGTTTCTTCCCAACGACGATGAGCTCTCTAGATGAGCTCACTTGAATCTGA 359
DB 327 AAGATACCTCTGATGATGATTTTCAGAGGCAACATTTTGTGATCAGCTATTCGACCCGGA 386
QY 360 GGCCTGAGCTTCAAGAGATGCTGCTGAGAGAGCGGTACAAATGTGACAGTCTGAAGC 419
DB 387 GAATCTGAGGTTTCAACACCGACGCTGGAAGAGGAGTCAACGCTTCTCTCA 446
QY 420 CCATGCGCTGCGCCCTGCTCTG 441
DB 447 GTATCACTTCTGCTGCTGCTG 468

RESULT 9
US-09-991-181-510
Sequence 510, Application US/09991181
Patent No. 6913919
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Garber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Macanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C53
CURRENT APPLICATION NUMBER: US/09/991.181

CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
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PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1998-06-10
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PRIOR FILING DATE: 1998-06-10
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PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11

Query Match	Best Local Similarity	10.5%	Score 68.4	DB 3	Length 996
Matches 111	Conservative	53.8%	Pred. No. 1e-09	Mismatches 0	Indels 0
QY	180	CCACCTGAGATCAGGAGAGATGAAACAGTGTAGCGCCACGACACCGCAGTGCAGAAAG	239		
Db	384	CCACCTCAGATCCACAGAAATGGCCATGTGTGATGAGGCGACCCCATTCAGACATCTACAG	443		
QY	240	TCTCTTGAGACTCAAAAGCCCTTGAAGCCAGGGGTCAATTCATCTGGGGTCAAAAGCCTC	299		
Db	444	TGCCCTGATGATCATGATTCAGAGAGTCTGGCTTTGTGTGATTCAGAGGTGATATAGACAG	503		
QY	300	TAGCTTCTTTTGGCAACAGCCAGATGAGCTCTCTATGATATGGCCCTCACTTGATCTCTGA	359		
Db	504	AAATATCTCTCTCATGATGATTTCAAGGCACATTTTGGATTCACACTATTTTCGACCCGGA	563		
QY	360	GGCTTCAGACTTCAGAGAACTGCTGCTGGAGGACGGTTACATGTGTATCCAGTCTGAAGC	419		
Db	564	GAACTTCAGAGTTCCAAACACAGAGCCTTGGAAAAACGGGTATGACAGCTTACACTCTCTCA	623		
QY	420	CCATGGCCCGCCCTCGCTCTG	441		
Db	624	GATATCACTTCTGGCTCAGTCTG	645		

RESULT 10
US-09-990-444-510
; Sequence 510, Application US/09990444
; Patent No. 6930170
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Borstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C19
CURRENT APPLICATION NUMBER: US/09/990,444
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 10.5%; Score 68.4; DB 3; Length 996;
Best Local Similarity 53.8%; Pred. No. 1e-09;
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;
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DB 384 CCACCTGAGATTCAGGAGAGATGAGACAGTGTAGGCGAGACACCCGACGTCCAGAAAG 239
QY 240 TTTCTTGAGAGCTCAAGAGCTTGAAGCCAGGCTCAATTCCTGGGTGCAAGGCTC 299
DB 444 TGGCTGTATGATCAGATCAGAGATCTGCTTGTGTGATTCAGGTGTGATGAGACAG 503
QY 300 TAGTTCTTTGGCAACAGCCAGATGAGACTCTCTATGATTCGCTCACTTATCTCTGA 359
DB 504 AAGATACCTCTGATGATGATTCAGAGGCAACATTTTGGATCAGACTATTTCCACCGGA 563
QY 360 GGCCTTCAGCTTCAGAGACTCTCTGAGAGAGCGTTCAATGTGTACAGCTGAGAGC 419
DB 564 GAACCTGAGGTTCAACACGACCTGGAACGAGGTAAGAGCTTACACTCTCTCA 623
QY 420 CCATGGCTGCGCCGCTCTG 441
DB 624 GTATCACTTCTGCTGCTG 645

RESULT 11
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Sequence 510, Application US/09997333
Patent No. 6953836
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoves, Luc
APPLICANT: Batoni, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P127
CURRENT APPLICATION NUMBER: US/09/997,333
PRIOR FILING DATE: 2001-11-15
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OY	420	CCATGGCCTGCCCCCTGGCTTG	441	
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 ; GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC20
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Query Match 10.5%; Score 68.4; DB 3; Length 996;
Best Local Similarity 53.8%; Pred. No. 1e-09;
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

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RESULT 13
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Patent No. 6794363
GENERAL INFORMATION:
APPLICANT: Benjamin, Stephanie
TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
FILE REFERENCE: 91.US6.DIV
CURRENT APPLICATION NUMBER: US/10/000, 489
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US 09/924,340
PRIOR FILING DATE: 2001-08-06
PRIOR APPLICATION NUMBER: PCT/IB01/01715
PRIOR FILING DATE: 2001-08-06
PRIOR APPLICATION NUMBER: US 60/305,456
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: US 60/302,277
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: US 60/298,698
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: US 60/293,574
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Jpatent
SEQ ID NO 25
LENGTH: 1239
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..126
NAME/KEY: CDS
LOCATION: 127..879
NAME/KEY: 3'UTR
LOCATION: 880..1239
NAME/KEY: polyA_site
LOCATION: 1224..1239
US-10-000-489-25

Query Match 10.5%; Score 68.4; DB 3; Length 1239;
Best Local Similarity 53.8%; Pred. No. 1e-09;
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY 180 CCACCTGAGATCAGGAGATGGAACAGTGTAGGCGCCACACCGCACTCCAGAAAG 239
DB 279 CCACCTGAGATCAGGAGATGGAACAGTGTAGGCGCCACACCGCACTCCAGAAAG 338
QY 240 TCCTCTGAGAGCTCAAGAGCTTGAAGCCAGGCTCATTCATTCCTGGGTGCAAGCCTC 299
DB 339 TGCCCTATATATCAGATCAGAGATGCTGCTTTGTGTGATTCAGAGTGTGATGAGCAG 398
QY 300 TAGGTTCTTTGCCAACAGCCAGATGAGCTCTATAGATGCGCTCACTTTGATCTCTGA 359
DB 399 AAGATACCTCTGATGATTTCAAGAGGCAACATTTTGGATCACATATTTGACCCGGA 458
QY 360 GGCTGACGCTTCAAGAACTGCTGCTGAGAGACGCTTACATGTGTAACAGTCTGAAGC 419
DB 459 GAACCTGAGGTTCCAAACACGAGAGCTGGAAAGGGGTAGCAGCTTACACACTCTCTCA 518
QY 420 CCATGCGCTGCGCTGCGCTG 441
DB 519 GTATCACTTCCTGTGATGCTG 540

RESULT 14
US-09-949-016-2147
Sequence 2147, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:

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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2147
; LENGTH: 1608
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-2147

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Query Match      10.5%; Score 68.4; DB 3; Length 1608;
Best Local Similarity 53.8%; Pred. No. 1.2e-09;
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

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QY 180 CCACCTGGAGATCAGAGGAGATGGAACAGTGTAGAGCGCAGACACCGAGTCCAGAAAG 239
Db 299 CCACCTGGAGATCAGAGGAGATGGAACAGTGTAGAGCGCAGACACCGAGTCCAGAAAG 239
QY 240 TCTCTGAGACTCAAGGCTTGAAGCCAGGGGTCATTCAATCTGGGTGTCAAAAGCTTC 299
Db 359 TGCCCTGATGATCAGATCAGAGGATGCTGCTTTGGTGTGATTAAGGTTGATGAGCAG 418
QY 300 TAGGTTCTTTGCAACAGCAGATGAGCTCTATGATGCTCCTCACTTTGATCTGA 359
Db 419 AAGTACCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 478
QY 360 GGCTGAGCTTGAAGAACTGCTGTGAGAGAGGTTACATGTGTACAGTCTGAAGC 419
Db 479 GAACTGAGGTTCCACACCAAGCGCTGGAACCGGTTACAGCTTACACTCTCTCTCA 538
QY 420 CCATGGCCTGCGCCCTGCGCTG 441
Db 539 GTATCACTTCTGCTGATGCTG 560

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RESULT 15

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; US-09-621-976-171
; Sequence 171, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 171
; LENGTH: 528
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 127..528
; NAME/KEY: sig_peptide
; LOCATION: 127..198
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 5.3000019073486
; OTHER INFORMATION: seq ALCSVCSMSVLR/yp
; US-09-621-976-171

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Query Match      10.3%; Score 67; DB 3; Length 528;
Best Local Similarity 55.3%; Pred. No. 2e-09;
Matches 130; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

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QY 180 CCACCTGGAGATCAGAGGAGATGGAACAGTGTAGAGCGCAGACACCGAGTCCAGAAAG 239
Db 279 CCACCTGGAGATCAGAGGAGATGGAACAGTGTAGAGCGCAGACACCGAGTCCAGAAAG 239
QY 240 TCTCTGAGACTCAAGGCTTGAAGCCAGGGGTCATTCAATCTGGGTGTCAAAAGCTTC 299
Db 339 TGCCCTGATGATCAGATCAGAGGATGCTGCTTTGGTGTGATTAAGGTTGATGAGCAG 398
QY 300 TAGGTTCTTTGCAACAGCAGATGAGCTCTATGATGCTCCTCACTTTGATCTGA 359
Db 399 AAGTACCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 458
QY 360 GGCTGAGCTTGAAGAACTGCTGTGAGAGAGGTTACATGTGTACAGTCTGAAGC 414
Db 459 GAACTGAGGTTCCACACCAAGCGCTGGAACCGGTTACAGCTTACACTCTCTCTCTCA 513

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Search completed: November 27, 2005, 16:46:17
Job time : 141.046 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 27, 2005, 15:22:04 : Search time 130.929 Seconds
(without alignments)

8811.148 Million cell updates/sec

Title: US-09-391-861-3

Perfect score: 649
Sequence: 1 atggaatgagatgagatctctg.....ctgactcttccctgaactca 649

Scoring table: OLIGO_NUC

Gapop 60.0, Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

Word size: 0

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database:

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- 2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	649	100.0	649	US-09-390-207-3	Sequence 3, Appli
2	638	98.3	659	US-09-715-805-1	Sequence 1, Appli
3	638	98.3	659	US-09-665-493B-6	Sequence 6, Appli
4	29	4.5	477	US-09-621-976-1353	Sequence 1353, Ap
5	29	4.5	643	US-09-715-805-3	Sequence 3, Appli
6	29	4.5	1190	US-09-390-207-1	Sequence 1, Appli
7	21	3.2	21	US-09-390-207-7	Sequence 7, Appli
8	20	3.1	37	US-09-390-207-10	Sequence 10, Appli
9	20	3.1	7517	US-09-949-016-15603	Sequence 15603, A
10	19	2.9	33	US-09-390-207-11	Sequence 11, Appli
11	19	2.9	2658	US-09-774-528-292	Sequence 292, App
12	19	2.9	2819	US-10-120-988-292	Sequence 292, App
13	19	2.9	2819	US-10-104-047-781	Sequence 781, App
14	19	2.9	236474	US-09-949-016-13418	Sequence 13418, A
15	19	2.9	301828	US-09-949-016-13969	Sequence 13969, A
16	18	2.8	420	US-09-270-767-15453	Sequence 15453, A
17	18	2.8	420	US-09-270-767-15453	Sequence 15453, A
18	18	2.8	601	US-09-949-016-69687	Sequence 69687, A
19	18	2.8	601	US-09-949-016-69688	Sequence 69688, A
20	18	2.8	601	US-09-949-016-69689	Sequence 69689, A
21	18	2.8	601	US-09-949-016-69690	Sequence 69690, A
22	18	2.8	601	US-09-949-016-69691	Sequence 69691, A
23	18	2.8	601	US-09-949-016-69692	Sequence 69692, A
24	18	2.8	601	US-09-949-016-86744	Sequence 86744, A

25	18	2.8	601	3	US-09-949-016-86745	Sequence 86745, A
26	18	2.8	601	3	US-09-949-016-86746	Sequence 86746, A
27	18	2.8	601	3	US-09-949-016-195003	Sequence 195003, A
28	18	2.8	1557	3	US-09-799-451-911	Sequence 911, App
29	18	2.8	2544	3	US-09-543-681A-1340	Sequence 1340, Ap
30	18	2.8	2985	3	US-10-781-294-15	Sequence 15, Appli
31	18	2.8	5173	3	US-09-949-016-1194	Sequence 13, Appli
32	18	2.8	5281	3	US-09-949-016-13	Sequence 13, Appli
33	18	2.8	5396	3	US-09-270-767-29115	Sequence 29115, A
34	18	2.8	7823	3	US-09-270-767-13200	Sequence 13200, A
35	18	2.8	14820	3	US-09-949-002-815	Sequence 815, App
36	18	2.8	18112	3	US-09-949-016-13648	Sequence 13648, A
37	18	2.8	25010	3	US-09-949-016-14070	Sequence 14070, A
38	18	2.8	36679	3	US-09-949-016-12732	Sequence 12732, A
39	18	2.8	38207	3	US-09-949-016-17274	Sequence 17274, A
40	18	2.8	41106	3	US-09-949-016-15796	Sequence 15796, A
41	18	2.8	72455	3	US-09-949-016-13793	Sequence 13793, A
42	18	2.8	104475	3	US-09-949-016-12115	Sequence 12115, A
43	18	2.8	106418	3	US-09-949-016-13974	Sequence 13974, A
44	18	2.8	111282	3	US-09-754-250-3	Sequence 3, Appli
45	18	2.8	111282	3	US-10-094-989-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-09-390-207-3
Sequence 3, Application US/09390207
Patent No. 6504530
GENERAL INFORMATION:
APPLICANT: Thomson, Arlen
FILE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
TITLE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 649
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(630)
US-09-390-207-3

Query Match	100.0%	Score 649:	DB 3:	Length 649:
Best Local Similarity	100.0%	Pred. No. 1.1e-311:	Indels 0:	Gaps 0:
Matches 649:	Conservative 0:	Mismatches 0:		
QY	1	ATGGAATGATGATGATCTAGAGTTGGAGCCCTGGAGCTGGTCCAGTCTGCTGCT	60	
DB	1	ATGGAATGATGATGATCTAGAGTTGGAGCCCTGGAGCTGGTCCAGTCTGCTGCT	60	
QY	61	GTCCTCTGCTGGGGGCTTACCAAGATACCCATCTGATCTGACGCCCCCTCTCCAG	120	
DB	61	GTCCTCTGCTGGGGGCTTACCAAGATACCCATCTGATCTGACGCCCCCTCTCCAG	120	
QY	121	TTTGGGGGTCAAGTCCGGCAGAGTACTCTTACCAAGATGACGACCAAGACTGAAAGCC	180	
DB	121	TTTGGGGGTCAAGTCCGGCAGAGTACTCTTACCAAGATGACGACCAAGACTGAAAGCC	180	
QY	181	CACCTGAGATCAGGAGATGAAACAGTGTAGGCGCAGACACCCAGTCCAGAAAGT	240	
DB	181	CACCTGAGATCAGGAGATGAAACAGTGTAGGCGCAGACACCCAGTCCAGAAAGT	240	
QY	241	CTCTGAGAGCTCAAGCTTTGAAGCCAGGAGCTCAATTCCTGGGTGTCAGAAAGCTCT	300	
DB	241	CTCTGAGAGCTCAAGCTTTGAAGCCAGGAGCTCAATTCCTGGGTGTCAGAAAGCTCT	300	
QY	301	AGCTTTCTTGGCCCAACGACGATGAGAGCTCTCATGATCGCTCACTTGATCTCGAG	360	

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Db 301 AGGTTCTTTGCCAAGCAGAGATGAGCTCTATGATTCGCTCACTTGATCTGAG 360
Qy 361 GCGTCGAGCTTCAAGAACTGCTGTGAGAGACGGTTACATGTATACAGCTGAGACC 420
Db 361 GCGTCGAGCTTCAAGAACTGCTGTGAGAGACGGTTACATGTATACAGCTGAGACC 420
Qy 421 CATGAGCTGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Db 421 CATGAGCTGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Qy 481 GAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db 481 GAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Qy 541 TTCTGCGCCCGCAGAGCCCGCAGATGAGGCTCTTGAAGCCCTGAGCATGTAGAGCT 600
Db 541 TTCTGCGCCCGCAGAGCCCGCAGATGAGGCTCTTGAAGCCCTGAGCATGTAGAGCT 600
Qy 601 TTACAGGGCCGAAAGCCCGCAGATGAGGCTCTTGAAGCTCTTCTGATCTA 649
Db 601 TTACAGGGCCGAAAGCCCGCAGATGAGGCTCTTGAAGCTCTTCTGATCTA 649
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RESULT 2
US-09-715-805-1
/ Sequence 1, Application US/09715805
/ Patent No. 6716626
/ GENERAL INFORMATION:
/ APPLICANT: Itoh, No. 6716626yuki
/ APPLICANT: Kavanagh, W. Michael
/ TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
/ FILE REFERENCE: PP-16758.001/201130.408
/ CURRENT FILING DATE: US/09/715,805
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1
/ LENGTH: 659
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (14)...(646)
US-09-715-805-1
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Query Match 98.3%; Score 638; DB 3; Length 659;
Best Local Similarity 100.0%; Pred. No. 3.1e-306;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 14 ATGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 73
Qy 61 GTCTTCCTGCTGCGGCTTACCAAGCATACCCCATCTCTGATCTGAGCCCTCTCCAG 120
Db 74 GTCTTCCTGCTGCGGCTTACCAAGCATACCCCATCTCTGATCTGAGCCCTCTCCAG 133
Qy 121 TTGGGGGGTCAAGTCCCGCAGAGGTACTCTTACACAGATGACGACCAAGACCTGAAGCC 180
Db 134 TTGGGGGGTCAAGTCCCGCAGAGGTACTCTTACACAGATGACGACCAAGACCTGAAGCC 193
Qy 181 CACCTGAGATCAAGGAGATGAGAACAGTGTAGGCGGACACACGAGTCCAGAAAGT 240
Db 194 CACCTGAGATCAAGGAGATGAGAACAGTGTAGGCGGACACACGAGTCCAGAAAGT 253
Qy 241 CTCTGAGAGTCAAGGCTTGAAGCCAGAGGATCATTTCAATCTCTGAGTCAAGAGCTCT 300
Db 254 CTCTGAGAGTCAAGGCTTGAAGCCAGAGGATCATTTCAATCTCTGAGTCAAGAGCTCT 313
Qy 301 AGGTTCTTTGCCAAGCAGAGATGAGCTCTATGATTCGCTCACTTGATCTGAG 360
Db 301 AGGTTCTTTGCCAAGCAGAGATGAGCTCTATGATTCGCTCACTTGATCTGAG 360
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Db 314 AGGTTCTTTGCCAAGCAGAGATGAGCTCTATGATTCGCTCACTTGATCTGAG 373
Qy 361 GCGTCGAGCTTCAAGAACTGCTGTGAGAGACGGTTACATGTATACAGCTGAGACC 420
Db 374 GCGTCGAGCTTCAAGAACTGCTGTGAGAGACGGTTACATGTATACAGCTGAGACC 433
Qy 421 CATGAGCTGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Db 434 CATGAGCTGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 493
Qy 481 GAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db 494 GAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 553
Qy 541 TTCTGCGCCCGCAGAGCCCGCAGATGAGGCTCTTGAAGCCCTGAGCATGTAGAGCT 600
Db 554 TTCTGCGCCCGCAGAGCCCGCAGATGAGGCTCTTGAAGCCCTGAGCATGTAGAGCT 613
Qy 601 TTACAGGGCCGAAAGCCCGCAGATGAGGCTCTTGAAGCTCTTCTGATCTA 638
Db 614 TTACAGGGCCGAAAGCCCGCAGATGAGGCTCTTGAAGCTCTTCTGATCTA 651
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RESULT 3
US-09-665-493B-6
/ Sequence 6, Application US/09665493B
/ Patent No. 6943153
/ GENERAL INFORMATION:
/ APPLICANT: Manning, William C., Jr.
/ APPLICANT: Dworki, Karavani J.
/ APPLICANT: Rendahl, Katherine
/ APPLICANT: Zhou, Shang-Zhen
/ APPLICANT: McGee, Laura H.
/ APPLICANT: Flannery, John G.
/ APPLICANT: Miller, Sheldon
/ APPLICANT: Wang, Fei
/ TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
/ FILE REFERENCE: PPI588.005 (20263.40)
/ CURRENT FILING DATE: US/09/665,493B
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6
/ LENGTH: 659
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-665-493B-6
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Query Match 98.3%; Score 638; DB 3; Length 659;
Best Local Similarity 100.0%; Pred. No. 3.1e-306;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ATGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 60
Db 14 ATGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 73
Qy 61 GTCTTCCTGCTGCGGCTTACCAAGCATACCCCATCTCTGATCTGAGCCCTCTCCAG 120
Db 74 GTCTTCCTGCTGCGGCTTACCAAGCATACCCCATCTCTGATCTGAGCCCTCTCCAG 133
Qy 121 TTGGGGGGTCAAGTCCCGCAGAGGTACTCTTACACAGATGACGACCAAGACCTGAAGCC 180
Db 134 TTGGGGGGTCAAGTCCCGCAGAGGTACTCTTACACAGATGACGACCAAGACCTGAAGCC 193
Qy 181 CACCTGAGATCAAGGAGATGAGAACAGTGTAGGCGGACACACGAGTCCAGAAAGT 240
Db 194 CACCTGAGATCAAGGAGATGAGAACAGTGTAGGCGGACACACGAGTCCAGAAAGT 253
Qy 241 CTCTGAGAGTCAAGGCTTGAAGCCAGAGGATCATTTCAATCTCTGAGTCAAGAGCTCT 300
Db 241 CTCTGAGAGTCAAGGCTTGAAGCCAGAGGATCATTTCAATCTCTGAGTCAAGAGCTCT 300
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Db      254 CTCCTGAGAGCTCAAGGCTTGAAGCCAGGGGTATTCAAATCCTGGGTGTCAAAAGCCTCT 313
Qy      301 AGGTTCTTTTGGCCAAACAGCCAGATGAGAGCTCTATGATGCTCTCACTTTGATCTGAG 360
Db      314 AGGTTCTTTTGGCCAAACAGCCAGATGAGAGCTCTATGATGCTCTCACTTTGATCTGAG 373
Qy      361 GCGTCGAGCTTCAGAGAACTGCTGCTGAGAGACCGCTTCAATGCTACGAGTCTGAAGCC 420
Db      374 GCGTCGAGCTTCAGAGAACTGCTGCTGAGAGACCGCTTCAATGCTACGAGTCTGAAGCC 433
Qy      421 CATGAGCTGCCCCCTGCTGCTGCTCCTCAGAGAGCTCCCCAAACAGATGCAATCTCTGG 480
Db      434 CATGAGCTGCCCCCTGCTGCTGCTCCTCAGAGAGCTCCCCAAACAGATGCAATCTCTGG 493
Qy      481 GGAAGCTGTGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db      494 GGAAGCTGTGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 553
Qy      541 TTCCTGCCCCCAGAGCCCCCAGAGTGGGCTCCTCTGACCCCTGAGCATGTGAGAGCT 600
Db      554 TTCCTGCCCCCAGAGCCCCCAGAGTGGGCTCCTCTGACCCCTGAGCATGTGAGAGCT 613
Qy      601 TTACAGGGCCGAAGCCCAAGCTATGCTGCTGACTTT 638
Db      614 TTACAGGGCCGAAGCCCAAGCTATGCTGCTGACTTT 651

RESULT 4
US-09-621-976-1353
; Sequence 1353, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J. Y.
; TITLE OF INVENTION: ESTE and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 1353
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 169..423
; NAME/KEY: sig_peptide
; LOCATION: 169..252
; OTHER INFORMATION: Von Heljne matrix
; OTHER INFORMATION: score 11.300001907349
; NAME/KEY: misc_feature
; LOCATION: 207_feature
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1353

Query Match      4.5%; Score 29; DB 3; Length 477;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION
; FILE OF INVENTION: PRODUCTS
; FILE REFERENCE: PP-16758.001/201130.408
; CURRENT APPLICATION NUMBER: US/09/715,805
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9) ... (638)
US-09-715-805-3

Query Match      4.5%; Score 29; DB 3; Length 643;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 GAAGCCCACTGGAGATCAGGAGGATGG 203
Db      180 GAAGCCCACTGGAGATCAGGAGGATGG 208

RESULT 6
US-09-390-207-1
; Sequence 1, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomson, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390.207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (142) .. (771)
US-09-390-207-1

Query Match      4.5%; Score 29; DB 3; Length 1190;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 GAAGCCCACTGGAGATCAGGAGGATGG 203
Db      313 GAAGCCCACTGGAGATCAGGAGGATGG 341

RESULT 7
US-09-390-207-7
; Sequence 7, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomson, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390.207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
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! ORGANISM: Mus musculus
US-09-390-207-7

Query Match

Best Local Similarity 3.2%; Score 21; DB 3; Length 21;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TGGATGATGATGATCTTCTGAG 22
DB 1 TGGATGATGATGATCTTCTGAG 21

RESULT 8

US-09-390-207-10
! Sequence 10, Application US/09390207
! Patent No. 6504530
! GENERAL INFORMATION:
! APPLICANT: Thomason, Arlen
! APPLICANT: Liu, Benxian
! TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
! FILE REFERENCE: 99-371
! CURRENT APPLICATION NUMBER: US/09/390,207
! CURRENT FILING DATE: 1999-09-07
! NUMBER OF SEQ ID NOS: 41
! SOFTWARE: Patentin Ver. 2.0
! SEQ ID NO 10
! LENGTH: 37
! TYPE: DNA
! ORGANISM: Mus musculus
US-09-390-207-10

Query Match

Best Local Similarity 3.1%; Score 20; DB 3; Length 37;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGATGATGATGATCTTCTAG 20
DB 18 ATGATGATGATGATCTTCTAG 37

RESULT 9

US-09-949-016-15603
! Sequence 15603, Application US/09949016
! Patent No. 6812339
! GENERAL INFORMATION:
! APPLICANT: VENTER, J. Craig et al.
! TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
! FILE REFERENCE: CLO01307
! CURRENT APPLICATION NUMBER: US/09/949,016
! CURRENT FILING DATE: 2000-04-14
! PRIOR APPLICATION NUMBER: 60/241,755
! PRIOR FILING DATE: 2000-10-20
! PRIOR APPLICATION NUMBER: 60/237,768
! PRIOR FILING DATE: 2000-10-03
! PRIOR APPLICATION NUMBER: 60/231,498
! PRIOR FILING DATE: 2000-09-08
! NUMBER OF SEQ ID NOS: 207012
! SOFTWARE: FastSeq for Windows Version 4.0
! SEQ ID NO 15603
! LENGTH: 7517
! TYPE: DNA
! ORGANISM: Human
US-09-949-016-15603

Query Match

Best Local Similarity 3.1%; Score 20; DB 3; Length 7517;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 TGGACCTGGGACTGTGTGG 43
DB 4167 TGGACCTGGGACTGTGTGG 4186

RESULT 10

US-09-390-207-11/c
! Sequence 11, Application US/09390207
! Patent No. 6504530
! GENERAL INFORMATION:
! APPLICANT: Thomason, Arlen
! APPLICANT: Liu, Benxian
! TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
! FILE REFERENCE: 99-371
! CURRENT APPLICATION NUMBER: US/09/390,207
! CURRENT FILING DATE: 1999-09-07
! NUMBER OF SEQ ID NOS: 41
! SOFTWARE: Patentin Ver. 2.0
! SEQ ID NO 11
! LENGTH: 33
! TYPE: DNA
! ORGANISM: Mus musculus
US-09-390-207-11

Query Match

Best Local Similarity 2.9%; Score 19; DB 3; Length 33;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 612 AAGCCCACTATGCGTCC 630
DB 33 AAGCCCACTATGCGTCC 15

RESULT 11

US-09-774-528-292
! Sequence 292, Application US/09774528
! Patent No. 6743619
! GENERAL INFORMATION:
! APPLICANT: Tang, Y. Tom
! APPLICANT: Zhou, Ping
! APPLICANT: Goodrich, Ryle
! APPLICANT: Liu, Chenghua
! APPLICANT: Asundi, Vinod
! APPLICANT: Ren, Feiyun
! APPLICANT: Zhang, Jie
! APPLICANT: Zhao, Qing A.
! APPLICANT: Yang, Yonghong
! APPLICANT: Xue, Aidong J.
! APPLICANT: Weinman, Tom
! APPLICANT: Wang, Jian-Rui
! APPLICANT: Wang, Dunrui
! APPLICANT: Dimaucac, Radoje T.
! TITLE OF INVENTION: No. 6743619el Nucleic Acids and
! FILE REFERENCE: 802
! CURRENT APPLICATION NUMBER: US/09/774,528
! CURRENT FILING DATE: 2001-01-30
! NUMBER OF SEQ ID NOS: 441
! SOFTWARE: pc_fli_genes Version 2.0
! SEQ ID NO 292
! LENGTH: 2658
! TYPE: DNA
! ORGANISM: Homo sapiens
! FEATURE:
! NAME/KEY: CDS
! LOCATION: (46) .. (2454)
US-09-774-528-292

Query Match

Best Local Similarity 2.9%; Score 19; DB 3; Length 2658;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 423 TGGCTGGCCCTGGCGCTG 441
DB 1977 TGGCTGGCCCTGGCGCTG 1995

RESULT 12
US-10-120-988-292
; Sequence 292, Application US/10120988
; Patent No. 6919193
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyan
; APPLICANT: Wang, Dunrui
; APPLICANT: Dimaec, Radcoje T.
; TITLE OF INVENTION: No. 6919193el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 802CON
; CURRENT APPLICATION NUMBER: US/10/120, 988
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/774,528
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 441
; SOFTWARE: pf_fl_genes Version 2.0
; SEQ ID NO 292
; LENGTH: 2658
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)..(2454)
US-10-120-988-292

Query Match 2.9%; Score 19; DB 3; Length 2658;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 423 TGGCTGCCCCCTGCTCG 441
Db 1977 TGGCTGCCCCCTGCTCG 1995

RESULT 13
US-10-104-047-781
; Sequence 781, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el Full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104, 047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 781
; LENGTH: 2819
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-781

Query Match 2.9%; Score 19; DB 3; Length 2819;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 104 CCAGCCCCCTCTCCAGTT 122
Db 1904 CCAGCCCCCTCTCCAGTT 1922

RESULT 14
US-09-949-016-13418
; Sequence 13418, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CLO01307
;; CURRENT APPLICATION NUMBER: US/09/949, 016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13418
;; LENGTH: 236474
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)..(236474)
;; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13418

Query Match 2.9%; Score 19; DB 3; Length 236474;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 100 GACTCCAGCCCCCTCTCC 118
Db 53425 GACTCCAGCCCCCTCTCC 53443

RESULT 15
US-09-949-016-13969
; Sequence 13969, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13969
; LENGTH: 301828
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(301828)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13969

Query Match 2.9%; Score 19; DB 3; Length 301828;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 27 GACCTGGAGCTGTGGCTC 45
Db 186430 GACCTGGAGCTGTGGCTC 186448

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Job time : 132.929 secs

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GenCore version 5.1.6
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Run on: November 28, 2005, 10:16:21 : Search time 172.41 Seconds
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2165.111 Million cell updates/sec

Title: US-09-391-861-4

Perfect score: 1115
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FCGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued_Patents_NA:*

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4: /cg2_6/ptodata/1/ina/6B.COMB.seq:*
5: /cg2_6/ptodata/1/ina/H.COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1115	100.0	649	3	US-09-390-207-3
2	1115	100.0	659	3	US-09-715-805-1
3	1115	100.0	659	3	US-09-665-483B-6
4	866.5	71.4	1190	3	US-09-390-207-1
5	796.5	71.4	643	3	US-09-715-805-3
6	351.5	31.5	477	3	US-09-621-976-1353
7	262.5	23.5	651	3	US-09-949-016-2335
8	262.5	23.5	2137	3	US-09-907-794A-58
9	262.5	23.5	2137	3	US-09-905-125A-58

10	262.5	23.5	2137	3	US-09-902-775A-58	Sequence 58, Appl
11	262.5	23.5	2137	3	US-09-906-700-58	Sequence 58, Appl
12	262.5	23.5	2137	3	US-09-903-603A-58	Sequence 58, Appl
13	262.5	23.5	2137	3	US-09-904-920A-58	Sequence 58, Appl
14	262.5	23.5	2137	3	US-09-909-064-58	Sequence 58, Appl
15	262.5	23.5	2137	3	US-09-905-381A-58	Sequence 58, Appl
16	262.5	23.5	2137	3	US-09-906-618-58	Sequence 58, Appl
17	262.5	23.5	2137	3	US-09-906-646-58	Sequence 58, Appl
18	262.5	23.5	2137	3	US-09-904-462-58	Sequence 58, Appl
19	262.5	23.5	2137	3	US-09-902-736A-58	Sequence 58, Appl
20	262.5	23.5	2137	3	US-09-906-722A-58	Sequence 440, App
21	245.5	22.0	810	3	US-10-120-988-440	Sequence 440, App
22	245.5	22.0	996	3	US-09-991-181-510	Sequence 510, App
23	245.5	22.0	996	3	US-09-990-444-510	Sequence 510, App
24	245.5	22.0	996	3	US-09-997-333-510	Sequence 510, App
25	245.5	22.0	996	3	US-09-992-598-510	Sequence 510, App
26	245.5	22.0	996	3	US-10-000-489-525	Sequence 25, Appl
27	245.5	22.0	1239	3	US-09-949-016-2147	Sequence 2147, Ap
28	245.5	22.0	1608	3	US-09-949-016-2147	Sequence 171, App
29	219.5	19.7	528	3	US-09-621-976-171	Sequence 1109, Ap
30	183.5	16.5	744	3	US-09-949-016-1109	Sequence 2148, Ap
31	183.5	16.5	744	3	US-09-949-016-2148	Patent No. 5430019
32	180.5	16.2	599	9	US-09-949-016-2514	Sequence 2514, Ap
33	180.5	16.2	1220	3	US-08-478-486F-11	Sequence 11, Appl
34	179.5	16.1	1142	3	US-09-605-104A-5	Sequence 5, Appl
35	179.5	16.1	1142	3	PCT-US93-06251-11	Sequence 11, Appl
36	179.5	16.1	1219	6	US-08-187-780-2	Sequence 2, Appl
37	165.5	14.8	423	2	US-08-187-780-5	Sequence 5, Appl
38	165.5	14.8	423	2	US-08-478-485-2	Sequence 2, Appl
39	165.5	14.8	423	2	US-08-478-485-5	Sequence 5, Appl
40	165.5	14.8	423	2	US-08-478-485-5	Sequence 2, Appl
41	165.5	14.8	423	3	US-08-478-486F-2	Sequence 2, Appl
42	165.5	14.8	423	3	US-08-478-486F-5	Sequence 5, Appl
43	165.5	14.8	528	3	US-08-478-486F-10	Sequence 10, Appl
44	165.5	14.8	528	3	US-09-605-104A-4	Sequence 4, Appl
45	165.5	14.8	618	3	US-08-478-486F-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-09-390-207-3
Sequence 3, Application US/09390207
Patent No. 6504530
GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 649
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(630)
US-09-390-207-3
Alignment Scores:
Pred. No.: 6,276-112
Score: 1115.00
Percent Similarity: 100.00%
Best local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Gaps: 0
US-09-391-861-4 (1-210) x US-09-390-207-3 (1-649)
Cy 1 MetcUlrrphtcArGserArGValGlyThrlencilyeurtrPValArGleuLeuLeuAla 20

[illegible]

LENGTH: 659
TYPE: DNA
ORGANISM: Homo sapien

US-09-665-493B-6

Alignment Scores:

Pred. No.:	6,41e-112	Length:	659
Score:	1115.00	Matches:	210
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-4 (1-210) x US-09-665-493B-6 (1-659)

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DB 14 ATGGAATGATGAAATCTAGAGTTGGAGCCCTGGAGCTGGGTCCGACTGCTGCT 73
OY 21 ValPheleuLeuGlyValTyrglnAlaTyrrProileProasrSerProleuLeuGln 40
DB 74 GTCTTCTGCTGGGGGTCTACCAAGCATACCCCATCTGACTCCAGCCCTCTCCAG 133
OY 41 PheGlyGlyGlnValArglnAlaTyrrLeuTyrrThraspaAspGlnaPThrGluAla 60
DB 134 TTTGGGGGTCAAGTCCGGCAGAGGTACTCTTACACAGATGACGACCAAGACCTGAAGCC 193
OY 61 HisleuGlnIleArgGlnaAspGlyThrValValGlyAlaHisArgSerProGluSer 80
DB 194 CACCTGGAGATCAGAGGAGATGGAACAGTGTAGAGCGACGACACCGCAGTCCAGAAAGT 253
OY 81 LeuLeuGlnLeuLyAlaLeuLyAspGlyValIleGlnIleLeuGlyValLyAlaSer 100
DB 254 CTCCTGGAGCTCAAGGCTTGAAGCCAGGGGTCAATCAATCTGGGTCAAAAGCTCT 313
OY 101 ArgPheLeuCyGlnGlnInProAspGlyAlaLeuTyrrGlySerProHisPheAspProGlu 120
DB 314 AGGTTTCTTGGCCAAACGCGCAGATGAGCTCTTATGATGCTCTCACTTGTGATCTGAG 373
OY 121 AlaCysSerPheArGlnLeuLeuLeuGlnaAspGlyTyrrAnValTyrrGlnSerGluAla 140
DB 374 GCTCTGAGCTTCAAGAACTGCTCTGAGGACGGTTTACAAATGATGACCACTCGAAGCC 433
OY 141 HisGlyLeuProLeuAlaTyrrProGlnLyAspSerProAsnGlnaAspAlaThrSerTrp 160
DB 434 CATGGCTGGCCCTCGGCTGCTCTGAGAGGACTCCCAAAACAGAGATGCAATCTCTGG 493
OY 161 GlyProValArgPheLeuProMetProGlyLeuLeuHisGluProGlnaPThrGlnAlaGly 180
DB 494 GGACCTGTGGCTCTCTGCTCCATGCTCAGGCTGCTCCACGAGCCCAAGACCAAGCAGGA 553
OY 181 PheLeuProProGlnuProProAspValGlySerSerAspProLeuSerMetValGluPro 200
DB 554 TTCTGTGCCCCAGAGCCCCAGATGTGGCTCTCTGACCCCTGAGCATGTGAGAGCT 613
OY 201 LeuGlnGlyArgSerProSerTyrrAlaSer 210
DB 614 TTACAGGGCCGAAGCCCAAGCTATGCTGCC 643
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RESULT 4
US-09-390-207-1
Sequence 1, Application US/09390207
Patent No. 6504530
GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 1190
TYPE: DNA
ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: CDS
LOCATION: (142) .. (771)
US-09-390-207-1

Alignment Scores:

Pred. No.:	4,82e-78	Length:	1190
Score:	806.50	Matches:	163
Percent Similarity:	82.86%	Conservative:	11
Best Local Similarity:	77.62%	Mismatches:	33
Query Match:	72.33%	Indels:	4
DB:	3	Gaps:	2

US-09-391-861-4 (1-210) x US-09-390-207-1 (1-1190)

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OY 3 TrpMeargsrArvAlGly-----ThrlenglyLeutPValArgleuLeuAla 20
DB 143 TGGACTCGACAGAGACCGGGTTCCAGACACTCA-GGACTGTGGGTCTCT--GTGCTGGCT 198
OY 21 ValPheleuLeuGlyValTyrglnAlaTyrrProileProasrSerProleuLeuGln 40
DB 199 GGTCTTCTGCTGGAGCTGCCAGGACACCCCATCTGACTCCAGTCTCTCTGCAA 258
OY 41 PheGlyGlyGlnValArglnAlaTyrrLeuTyrrThraspaAspGlnaPThrGluAla 60
DB 259 TTGGGGGCCAAGTCCGGCAGCGGTACTCTTACACAGATGATGCCAGACAGAAAGCC 318
OY 61 HisleuGlnIleArgGlnaAspGlyThrValValGlyAlaHisArgSerProGluSer 80
DB 319 CACCTGGAGATCAGAGGAGATGGGACGGTGGGGGGCTGCTGACACAGAGCCCGAAAGT 378
OY 81 LeuLeuGlnLeuLyAlaLeuLyAspGlyValIleGlnIleLeuGlyValLyAlaSer 100
DB 379 CTCCTGAGCTGAAGCTTGAAGCCGGAGTTATTCAAATCTTGGAGTCAAGACATCC 438
OY 101 ArgPheLeuCyGlnGlnInProAspGlyAlaLeuTyrrGlySerProHisPheAspProGlu 120
DB 439 AGGTTCTGTGCCAGCGCCGACAGATGGGCTCTGATGATCGCTCCACTTGTGACCTGAG 498
OY 121 AlaCysSerPheArGlnLeuLeuLeuGlnaAspGlyTyrrAnValTyrrGlnSerGluAla 140
DB 499 GCTGTGAGCTTCCGGAGAGTGTCTTGAAGACGAGATACATGTTTACCATGCTCGAAGCC 558
OY 141 HisGlyLeuProLeuAlaTyrrProGlnLyAspSerProAsnGlnaAspAlaThrSerTrp 160
DB 559 CACGGCTTCCCGCTGACCTGCGAGAACAGTCCCAACAGCGGACCTGCAACCCCGA 618
OY 161 GlyProValArgPheLeuProMetProGlyLeuLeuHisGluProGlnaPThrGlnAlaGly 180
DB 619 GGACAGCTGCTTCTCTGCACTACAGGCTCTGCCCCGACACCCCGAGCCACCCGGA 678
OY 181 PheLeuProProGlnuProProAspValGlySerSerAspProLeuSerMetValGluPro 200
DB 679 ATCTGTGCCCCCAGAGCCCCCGATGTGGCTCTCTGGAACCTCTGAGCATGTGGAGCT 738
OY 201 LeuGlnGlyArgSerProSerTyrrAlaSer 210
DB 739 TCCAGGGCCGAAGCCCAAGCTACGCTTCC 768
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RESULT 5
US-09-715-805-3
Sequence 3, Application US/09715805
Patent No. 6716626
GENERAL INFORMATION:
APPLICANT: Itoh, No. 6716626yuki
APPLICANT: Kavanagh, W. Michael
TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION
PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/09/715,805
CURRENT FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0

/ SEQ ID NO 3
 / LENGTH: 643
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (9) ... (638)
 US-09-715-805-3

Alignment Scores:

Pred. No.:	2,46e-77	Length:	643
Score:	796.50	Matches:	162
Percent Similarity:	82.38%	Conservative:	11
Best Local Similarity:	77.14%	Mismatches:	34
Query Match:	71.43%	Indels:	4
DB:	3	Gaps:	2

US-09-391-861-4 (1-210) x US-09-715-805-3 (1-643)

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QY      21  ValPheLeuLeuGlyValTyrglAlaTyProIleProAspSerProLeuLeuGln
Db      66  GGTCTTCTGCTGGAGCTGCCAGGACACCCCATCCCTGACCTCCTCCTGCA
QY      41  PheGlyGlnValArgGlnArgTyrluTyThraPaspArgGlnAspThrGlnAla
Db      126  TTCGGGGCCAGTCGGGACCGGTACTCTACACAGATATCCACAGACAGAGAGCC
QY      61  HisLeuGlnIleArgGluAspGlyThrValValGlyAlaAlaHisArgSerProGluSer
Db      186  CACCTGAGATCAGGAGATGGACCGGTGGGGCGCTGCTGACGACGAGCCCGAAGT
QY      81  LeuenglyLeuValAlaLeuTyProGlyValIleGlnIleGlnGlyValIleValSer
Db      246  CTCCTGAGCTGAAAGCTTGAAGCCGGAGTTATTCATTTTGGAGTCAAGACATCC
QY      101  ArgPheLeuGlyGlnGlnProAspGlyAlaLeuTyrglySerProHisPheAspProGlu
Db      306  AGGTTCTGTGCGAGGGGCAAGTGGGGCCCTGTATGATGCTGCTCCTGACCTTGAG
QY      121  AlaGlySerPheArgGlnLeuLeuLeuGlnAspGlyTyraValIleValIleValSer
Db      366  GCTTCGAGCTTCGGGAGCTGCTCTTGAAGACGATACATGTTACAGTCCGAAAGCC
QY      141  HisGlyLeuProLeuArgLeuProGlnIleAspSerProAspGlnAspAlaThrSerTrp
Db      426  CACGGCTCCCGCTGACCTGACCTGACGAGAAAGTCCCAACCGGACCTGACCCCGA
QY      161  GlyProValArgPheLeuProMetProGlyLeuLeuHisGlnProGlnAspGlnAlaGly
Db      486  GGAACAGCTCGCTTCTCTCTCACTACAGGCTGCCCCCGACCTCCCGAGGACCAACCGGA
QY      181  PheLeuProProGlnProProAspValGlySerSerAspProLeuSerMetValGluPro
Db      546  ATCCCTGGCCCCCGAGCCCGGAGTGGGCTCTTCGAGCCCTTGAGCATGTGTGGAGCT
QY      201  LeuGlnGlyArgSerProSerTyraIleSer 210
Db      606  TCCCAAGGCGCAAGCCCGACCTACGCTTCC 635
  
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RESULT 6

US-09-621-976-1353
 / Sequence 1353, Application US/09621976
 / Patent No. 6639063
 / GENERAL INFORMATION:
 / APPLICANT: Dumas Milne Edwards, J.B.
 / APPLICANT: Giordano, J.Y.
 / TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 / FILE REFERENCE: GENSET.054PR2

/ CURRENT APPLICATION NUMBER: US/09/621,976
 / CURRENT FILING DATE: 2000-07-21
 / NUMBER OF SEQ ID NOS: 19335
 / SOFTWARE: Patent.pm
 / SEQ ID NO 1353
 / LENGTH: 477
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: 169..423
 / NAME/KEY: sig_peptide
 / LOCATION: 169..252
 / OTHER INFORMATION: Von Heijne matrix
 / OTHER INFORMATION: score 11.300001907349
 / NAME/KEY: misc_feature
 / LOCATION: 207
 / OTHER INFORMATION: n=a, g, c or t

US-09-621-976-1353

Alignment Scores:

Pred. No.:	3,54e-29	Length:	477
Score:	351.50	Matches:	80
Percent Similarity:	83.17%	Conservative:	4
Best Local Similarity:	79.21%	Mismatches:	15
Query Match:	31.52%	Indels:	3
DB:	3	Gaps:	1

US-09-391-861-4 (1-210) x US-09-621-976-1353 (1-477)

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QY      5  ArgSerArgValGlyThrLeu-GlyLeuTrpValArgLeuLeuAlaPheLeuLeu
Db      180  CGARACCGGCTTCAGCACTCAGGCGCTNTGGTTCT--GTGCTGCTGCTCTTCTGCT
QY      24  uGlyValTyrglAlaTyProIleProAspSerProLeuLeuGlnPheGlyGlyGly
Db      237  GGGAGCTCCGACAGGACACCCCATCCCTGATTCAGTCCCTCTCTCAATTCGGGGGCA
QY      44  nValArgGlnArgTyrluTyThraPaspArgGlnAspThrGlnAlaHisLeuGlnI
Db      297  AGTCCGAGAGGACTTACACAGATGATGCCACAGACAGAGAGCCACCTGAGAT
QY      64  eArgGluAspGlyThrValValAlaAlaHisArgSerProGluSerLeuLeuGln
Db      357  CAGGAGAGTGGACGCTGGGGGCGCTGCTGACGAGACCCCGAAAGTCTCTGACCT
QY      84  uValAlaLeuTyProGlyValIleGlnIleGlnGlyValIleValSerArgPheLeu
Db      417  GAAASC-TTGAACCGGAGCTTATTCATATCTTGGAGTCAAGACATCCAGTTCCTGTG
QY      104  s 104
Db      476  C 476
  
```

RESULT 7

US-09-949-016-2335
 / Sequence 2335, Application US/09949016
 / Patent No. 6812339
 / GENERAL INFORMATION:
 / APPLICANT: VENTER, J. Craig et al.
 / TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 / FILE REFERENCE: CLO01307
 / CURRENT APPLICATION NUMBER: US/09/949,016
 / PRIOR FILING DATE: 2000-04-14
 / PRIOR APPLICATION NUMBER: 60/241,755
 / PRIOR FILING DATE: 2000-10-20
 / PRIOR APPLICATION NUMBER: 60/237,768
 / PRIOR FILING DATE: 2000-10-03
 / PRIOR APPLICATION NUMBER: 60/231,498
 / PRIOR FILING DATE: 2000-09-08
 / NUMBER OF SEQ ID NOS: 207012

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2335
; LENGTH: 651
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2335

Alignment Scores:
Pred. No.:      2,566-19      Length:      651
Score:          262.50      Matches:      75
Percent Similarity: 50.00%      Conservative: 33
Best Local Similarity: 34.72%      Mismatches: 95
Query Match:      23.54%      Indels:      13
DB:              3          Gaps:      8

US-09-391-861-4 (1-210) x US-09-949-016-2335 (1-651)

Qy      4      MetArgSerArgValGlyThrLeuGlyLeuTrpValArgLeuLeuAlaValPheLeu 23
      |||||
Db      1      ATGGGAGCGGGGTGTGTGTGTCACGTATGAGAC-----CTGGCCGGCTCTGGCTG 54
      |||||

Qy      24      LeuGlyValTrpGlnAlaTrpProLeuPheSerSerProLeuLeuGlnPhe----- 41
      |||||
Db      55      GCCGTGGCGGGCGCCCTGCTTCGAGACGGGGCGCCCACTGCTACCTACGCGCTGG 114
      |||||

Qy      42      GlyGlyGlnValArgGlnArgTrpLeuTrpThrAspAspArgGlnAsp---ThrGlnAla 60
      |||||
Db      115      GGGGACCCCATCCGCTCGGCGACCTGTACACCTCCGGCCCCCGGGCTCTCCAGCTGC 174
      |||||

Qy      61      HisLeuGlnIleArgGluAspGlyThrValValGlyAlaAlaHisArgSerProGluSer 80
      |||||
Db      175      TTCCTGGCGCATCCGTGGCGGAGCGCTCTGAGACTCGCGCGGCGGACGCGCCACAGT 234
      |||||

Qy      81      LeuLeuGlnLeuValAlaLeuLeuPheProGlyValIleGlnIleLeuGlyValIleAlaSer 100
      |||||
Db      235      TTGCTGGAGATCAAGGCGAGCTCTCGGACCGGCGCATCAAGGCGCTGCACAGCGTG 294
      |||||

Qy      101      ArgPheLeuGlyGlnGlnIleProAspGlyAlaLeuTrpGlySerProHisPheAspProGlu 120
      |||||
Db      295      CGGTAACCTCTGCATGGCGCGCGCAAGATGCAGGGGCGCTTCACTACCTCGAGGAA 354
      |||||

Qy      121      AlaCysSerPheArgGluLeuLeuLeuGlnAspGlyTrpAsnValTrpGlnSerGlnAla 140
      |||||
Db      355      GACTGTGCTTTCGAGGAGAGATCCGCCAATGCTCAATGTGTACCATCCGAGAAAG 414
      |||||

Qy      141      HisGlyLeuProLeuArgLeuProGln---LysAspSerProAsnGlnAspAlaThrSer 159
      |||||
Db      415      CACGCGCTCCCGGTCTCCCTGAGCAGTGCACAAACAGCGCGAGCTGTACAAAGACAGAGC 474
      |||||

Qy      160      TrpGlyProVal---ArgPheLeuProMet---ProGlyLeuLeuHisGluProGlnAsp 177
      |||||
Db      475      TTTCTTCACCTCTCTCATTTCTCTGCCCATGTCTGCCATGTCCAGAGAGACCTGAGAGC 534
      |||||

Qy      178      GlnAlaGlyPheLeuProProGlu-----ProProAspValGlySerSerAsp 193
      |||||
Db      535      CTCAGGGGCGCATTCGAAATTCACATGTTCTTCGCCCTCGGAGACCGAAGCATGATGAC 594
      |||||

Qy      194      ProLeuSerMetValGluProLeuGlnGly---ArgSerProSerTrp 208
      |||||
Db      595      CCATTGGGCTTGTACCGGAGCTGAGAGCGCTGAGAGATCCCACTTT 642
      |||||

RESULT 8
US-09-907-794A-58
; Sequence 58, Application US/0907794A
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyere, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flivarov, Ellen
```

```

APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Justin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kilavin, Ivar J.
APPLICANT: Macher, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OR INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 58
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-794A-58

Alignment Scores:
Pred. No.:      1,386-18      Length:      2137
Score:          262.50      Matches:      75
Percent Similarity: 50.00%      Conservative: 33
Best Local Similarity: 34.72%      Mismatches: 95
Query Match:      23.54%      Indels:      13
DB:              3          Gaps:      8

US-09-391-861-4 (1-210) x US-09-907-794A-58 (1-2137)
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```

1  APPLICANT: Williams, P. Mickey
2  APPLICANT: Wood, William, I.
3  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
4  TITLE OF INVENTION: Acids Encoding the Same
5  FILE REFERENCE: 10466-14
6  CURRENT APPLICATION NUMBER: US/09/905,125A
7  CURRENT FILING DATE: 2001-07-12
8  PRIOR APPLICATION NUMBER: PCT/US00/04414
9  PRIOR FILING DATE: 2000-02-22
10 PRIOR APPLICATION NUMBER: US 60/143,048
11 PRIOR FILING DATE: 1999-07-07
12 PRIOR APPLICATION NUMBER: US 60/145,698
13 PRIOR FILING DATE: 1999-07-26
14 PRIOR APPLICATION NUMBER: US 60/146,222
15 PRIOR FILING DATE: 1999-07-28
16 PRIOR APPLICATION NUMBER: PCT/US99/20594
17 PRIOR FILING DATE: 1999-09-08
18 PRIOR APPLICATION NUMBER: PCT/US99/20944
19 PRIOR FILING DATE: 1999-09-13
20 PRIOR APPLICATION NUMBER: PCT/US99/21090
21 PRIOR FILING DATE: 1999-09-15
22 PRIOR APPLICATION NUMBER: PCT/US99/21547
23 PRIOR FILING DATE: 1999-09-15
24 PRIOR APPLICATION NUMBER: PCT/US99/23089
25 PRIOR FILING DATE: 1999-10-05
26 PRIOR APPLICATION NUMBER: PCT/US99/28214
27 PRIOR FILING DATE: 1999-11-29
28 PRIOR APPLICATION NUMBER: PCT/US99/28313
29 PRIOR FILING DATE: 1999-11-30
30 PRIOR APPLICATION NUMBER: PCT/US99/28564
31 PRIOR FILING DATE: 1999-12-02
32 PRIOR APPLICATION NUMBER: PCT/US99/28565
33 PRIOR FILING DATE: 1999-12-02
34 PRIOR APPLICATION NUMBER: PCT/US99/30095
35 PRIOR FILING DATE: 1999-12-16
36 PRIOR APPLICATION NUMBER: PCT/US99/30911
37 PRIOR FILING DATE: 1999-12-20
38 PRIOR APPLICATION NUMBER: PCT/US99/30999
39 PRIOR FILING DATE: 1999-12-20
40 PRIOR APPLICATION NUMBER: PCT/US00/00219
41 PRIOR FILING DATE: 2000-01-05
42 NUMBER OF SEQ ID NOS: 423
43 SEQ ID NO: 58
44 LENGTH: 2137
45 TYPE: DNA
46 ORGANISM: Homo sapiens
47 US-09-905-125A-58
48
49 Alignment Scores:
50 Pred. No.: 1,38e-18
51 Score: 262.50
52 Percent Similarity: 50.00%
53 Best Local Similarity: 34.72%
54 Query Match: 23.54%
55
56 DB: 3
57 Gaps: 8
58
59 US-09-391-861-4 (1-210) x US-09-905-125A-58 (1-2137)
60
61 Oy 4 MetArgSerArgValAlaIyrThrLeuGlyLeuTyrValAlaTgLeuLeuAlaValPheLeu 23
62 |||||
63 Db 464 ATGCGGAGCGCGGTGTGGTGTCCACGATGATGATC-----CTGGCGCGGCTGTGCTG 517
64 |||||
65 Oy 24 LeuGlyValIyrAlaIyrProIleProAspSerSerProLeuLeuGlnPhe-----41
66 |||
67 Db 518 GCCGTGGCGGCGCGCCCTCGCTTCGAGACCGGGGGCCCAACGACACTACGGCTGG 577
68 |||
69 Oy 42 GlyIyrGlnValIyrGlnIyrTyrIleuIyrThrIyrAspAspAspGlnAsp---ThrGlnAla 60
70 |||||
71 Db 578 GCGGACCCCATCGGCTGTGGGACCTGACCTCGGCGCCCAACGAGGCTCTCAGACTGC 637
72 |||||
73 Oy 61 HsIleuGlnIleuIyrIleuIyrIleuIyrIleuIyrIleuIyrIleuIyrIleuIyrIleu 637
74 |||||

```

```

QY      81  LeuLeuGluLeuValLeuLeuValProGluValIleGlnIleLeuGluValIleValAspSer 100
Db      698  TTGCTGGAGATCGACAGGACGCGCTCTGGCGGACCGGTGGCCATGAGGGCTGCAKAGCGTG 757
QY      101  ArgPheLeuCyGlnGlnIleProAspIleValLeuTyrGlySerProHisPheAspProGlu 120
Db      758  CGGTACCTCTGCATGGGCGGCGGACCGGACAGATGCAAGGGGCTGTCAGATGCTGGAGGAA 817
QY      121  AlaCysSerPheAspArgGluLeuLeuLeuLeuLeuValTyrValValTyrGlnSerGluVal 140
Db      818  GACGTGTGTTTCGAGGAGAGATCGCCGCCAGATGTGCTCAATGTATGACGATGCCAGAAAG 877
QY      141  HisGlyLeuProLeuArgLeuProGln---LysAspSerProAsnGlnAspValIleThrSer 159
Db      878  CACCGCGCTCCCGGGTCTCCCTCTGACAGCATGSCAAKACAGCGGACGCTGACAAKACAGAGCG 937
QY      160  TrpGluProVal---ArgPheLeuProMet---ProGlyLeuLeuHisGluLeuProIleAsp 177
Db      938  TTTCTTCCACCTCTGCATTTCTCTGCGCCATGCTGCCAGATGCTCCAGAGAGAGCTTGAGGAC 997
QY      178  GlnAlaGlyPheLeuProProGlu-----ProProAspValGlySerThrAsp 193
Db      998  CTCAGGGGCGCATTGGAACTGACACATGTTCTTCTTGCGCCCTGGAGACCGACAGCAGCATGAGC 1057
QY      194  ProLeuSerMetValGluProLeuGlnGly---ArgSerProSerTyr 208
Db      1058  CCAATTTGGGCTTTGTACCGGACATGAGAGCGCTGGAGAGATGCCACGCTTT 1105

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RESULT 10
 US-09-902-775A-58
 Sequence 58, Application US/09902775A
 Patent No. 6686451
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Deenoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kijavini, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paont, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/902,775A
 CURRENT FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594

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1 PRIOR FILLING DATE: 1999-09-08
2 PRIOR APPLICATION NUMBER: PCT/US99/20944
3 PRIOR FILLING DATE: 1999-09-13
4 PRIOR APPLICATION NUMBER: PCT/US99/21090
5 PRIOR FILLING DATE: 1999-09-15
6 PRIOR APPLICATION NUMBER: PCT/US99/21547
7 PRIOR FILLING DATE: 1999-09-15
8 PRIOR APPLICATION NUMBER: PCT/US99/23089
9 PRIOR FILLING DATE: 1999-10-05
10 PRIOR APPLICATION NUMBER: PCT/US99/28214
11 PRIOR FILLING DATE: 1999-11-29
12 PRIOR APPLICATION NUMBER: PCT/US99/28313
13 PRIOR FILLING DATE: 1999-11-30
14 PRIOR APPLICATION NUMBER: PCT/US99/28564
15 PRIOR FILLING DATE: 1999-12-02
16 PRIOR APPLICATION NUMBER: PCT/US99/28565
17 PRIOR FILLING DATE: 1999-12-02
18 PRIOR APPLICATION NUMBER: PCT/US99/30095
19 PRIOR FILLING DATE: 1999-12-16
20 PRIOR APPLICATION NUMBER: PCT/US99/30911
21 PRIOR FILLING DATE: 1999-12-20
22 PRIOR APPLICATION NUMBER: PCT/US99/30999
23 PRIOR FILLING DATE: 1999-12-20
24 PRIOR APPLICATION NUMBER: PCT/US00/00219
25 PRIOR FILLING DATE: 2000-01-05
26 NUMBER OF SEQ ID NOS: 423
27 SEQ ID NO 58
28 LENGTH: 2137
29 TYPE: DNA
30 ORGANISM: Homo sapiens
31 US-09-902-775A-58

```

Pred. No.:	1,386-18	Length:	2537
Score:	262.50	Matches:	75
Percent Similarity:	50.00%	Conservative:	33
Best Local Similarity:	34.72%	Mismatches:	95
Query Match:	23,54%	Indels:	13
DB:	3	Gaps:	8

US-09-391-861-4 (1-210) x US-09-902-775A-56 (1-2137)	
QY	4 MetArgSerArgValGlyThrLeuGlyLeuTrpValArgLeuLeuAlaValaPheLeu 23
DB	464 ATGGAGAGGGGGGTGTGGTGGTCCACGATGATC-----CTGGCGGGCTCTGGCTG 51
QY	24 LeuGlyValTyrglnAlaTrpProIleProIleProAspSerSerProLeuLeuGlnPhe----- 41
DB	518 GCCGTGGCGGGGGGCCCTCTCCGCTTTCGGACGGGGGGCCCAACGTGCATACGCGTGG 57
QY	42 GlyGlyGlnValArgGlnArgTyrglyLeuTyThrAspAspArgGlnAsp---ThgGlnAla 60
DB	578 GGGACCCCATCGCTCGCTGGCAGCTGTACACTCCGGCCCCCAGCGAGCTTCAGAGCTGC 63
QY	61 HisLeuGlnIleArgGlnAspGlyThrValValGlyAlaAlaHisArgSerProGlnSer 80
DB	638 TTCCTCGCATCCGTCCGACGCGCGCTGTGGACTCGCGGGCGGGCAGAGGCGGCACAGT 69
QY	81 LeuLeuGlnLeuValaLeuLeuAspProGlyValIleGlnIleLeuGlyValIlyalaser 100
DB	698 TTGCTGGAATCAAGGACAGTCCGCTTCGGAGACCGGTGCATCAAGGCGGTGCACAGCTG 75
QY	101 ArgPheLeuCyseGlnGlnInProAspGlyAlaLeuTyrglySerProHisIAspAspProGlu 120
DB	758 CGGTACTCTGCATGGGCGCGCAGCGCAAGATGCAGGGGCTGCTTCACTACTCGAGGAA 81
QY	121 AlaCyseSerPheArgGlnLeuLeuLeuGlnAspGlyTyraaenValTyrglnSerGlnAla 140
DB	818 GACTGTCCTTTCGAGAGGAGAGATCCGCCAGATGGCTCATATGTATCCGATCCGAGAG 87
QY	141 HisGlyLeuProLeuGlnArgLeuProGln---LysAspSerProIleGlnAspAlaThrSer 155
DB	878 CACCGGCTCTCCGATCTCCCTGAGAGAGTGCACAAACGCGGACGCTGTACAGACAGAGGC 93


```

Patent No.6767995
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botsstein, David
APPLICANT: Deanoys, Luc
APPLICANT: Ealon, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Garber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Macher, Jennie P.
APPLICANT: Pan, James
APPLICANT: Peoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: GNE.1618P2C12
CURRENT APPLICATION NUMBER: US/09/903,603A
CURRENT FILING DATE: 2001-07-11
PRIORITY APPLICATION NUMBER: PCT/US00/04414
PRIORITY FILING DATE: 2000-02-22
PRIORITY APPLICATION NUMBER: US 60/143,048
PRIORITY FILING DATE: 1999-07-07
PRIORITY APPLICATION NUMBER: US 60/145,698
PRIORITY FILING DATE: 1999-07-26
PRIORITY APPLICATION NUMBER: US 60/146,222
PRIORITY FILING DATE: 1999-07-28
PRIORITY APPLICATION NUMBER: PCT/US99/20594
PRIORITY FILING DATE: 1999-09-08
PRIORITY APPLICATION NUMBER: PCT/US99/20944
PRIORITY FILING DATE: 1999-09-13
PRIORITY APPLICATION NUMBER: PCT/US99/21090
PRIORITY FILING DATE: 1999-09-15
PRIORITY APPLICATION NUMBER: PCT/US99/21547
PRIORITY FILING DATE: 1999-09-15
PRIORITY APPLICATION NUMBER: PCT/US99/23089
PRIORITY FILING DATE: 1999-10-05
PRIORITY APPLICATION NUMBER: PCT/US99/28214
PRIORITY FILING DATE: 1999-11-29
PRIORITY APPLICATION NUMBER: PCT/US99/28313
PRIORITY FILING DATE: 1999-11-30
PRIORITY APPLICATION NUMBER: PCT/US99/28564
PRIORITY FILING DATE: 1999-12-02
PRIORITY APPLICATION NUMBER: PCT/US99/28565
PRIORITY FILING DATE: 1999-12-02
PRIORITY APPLICATION NUMBER: PCT/US99/30095
PRIORITY FILING DATE: 1999-12-16
PRIORITY APPLICATION NUMBER: PCT/US99/30911
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: PCT/US99/30999
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: PCT/US00/00219
PRIORITY FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 58
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo sapiens
US-09-903-603A-58

```

```

1 / APPLICANT: Gurney, Austin L.
2 / APPLICANT: Hillan, Kenneth, J.
3 / APPLICANT: Kijavuin, Ivar J.
4 / APPLICANT: Mather, Jennie P.
5 / APPLICANT: Pan, James
6 / APPLICANT: Paoni, Nicholas F.
7 / APPLICANT: Roy, Margaret Ann
8 / APPLICANT: Stewart, Timothy A.
9 / APPLICANT: Tumas, Daniel
10 / APPLICANT: Williams, P. Mickey
11 / APPLICANT: Wood, William, I.
12 / TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
13 / TITLE OF INVENTION: Acids Encoding the Same
14 / FILE REFERENCE: 10466-14
15 / CURRENT FILING DATE: 2001-07-13
16 / PRIOR APPLICATION NUMBER: US/09/904,920A
17 / PRIOR APPLICATION NUMBER: PCT/US00/04414
18 / PRIOR FILING DATE: 2000-02-22
19 / PRIOR APPLICATION NUMBER: US 60/143,048
20 / PRIOR FILING DATE: 1999-07-07
21 / PRIOR APPLICATION NUMBER: US 60/145,698
22 / PRIOR FILING DATE: 1999-07-26
23 / PRIOR APPLICATION NUMBER: US 60/146,222
24 / PRIOR FILING DATE: 1999-07-28
25 / PRIOR APPLICATION NUMBER: PCT/US99/20594
26 / PRIOR FILING DATE: 1999-09-08
27 / PRIOR APPLICATION NUMBER: PCT/US99/20944
28 / PRIOR FILING DATE: 1999-09-13
29 / PRIOR APPLICATION NUMBER: PCT/US99/21090
30 / PRIOR FILING DATE: 1999-09-15
31 / PRIOR APPLICATION NUMBER: PCT/US99/21547
32 / PRIOR FILING DATE: 1999-09-15
33 / PRIOR APPLICATION NUMBER: PCT/US99/23089
34 / PRIOR FILING DATE: 1999-10-05
35 / PRIOR APPLICATION NUMBER: PCT/US99/28214
36 / PRIOR FILING DATE: 1999-11-29
37 / PRIOR APPLICATION NUMBER: PCT/US99/28313
38 / PRIOR FILING DATE: 1999-11-30
39 / PRIOR APPLICATION NUMBER: PCT/US99/28564
40 / PRIOR FILING DATE: 1999-12-02
41 / PRIOR APPLICATION NUMBER: PCT/US99/28565
42 / PRIOR FILING DATE: 1999-12-02
43 / PRIOR APPLICATION NUMBER: PCT/US99/30095
44 / PRIOR FILING DATE: 1999-12-16
45 / PRIOR APPLICATION NUMBER: PCT/US99/30911
46 / PRIOR FILING DATE: 1999-12-20
47 / PRIOR APPLICATION NUMBER: PCT/US99/30999
48 / PRIOR FILING DATE: 1999-12-20
49 / PRIOR APPLICATION NUMBER: PCT/US00/00219
50 / NUMBER OF SEQ ID NOS: 423
51 / SEQ ID NO 58
52 / LENGTH: 2137
53 / TYPE: DNA
54 / ORGANISM: Homo sapiens
55 / US-09-904-920A-58

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Score:	26250
Percent Similarity:	50.00
Best Local Similarity:	34.728
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	Conservative: 33
	Mismatches: 95
	Indels: 13
	Gaps: 8

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Oy      24 LeuGIgYValTyrGlnAlaTyrProLeuPheProAlaSerSerProLeuGlnPhe----- 41

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QY      42 GYGLYGLNVALARGINALRGTYFLLEUYFTTHAPAPAPARGINALAP--ThGluAla 60
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QY      141 HISSGLYUAPROLEUALGLEUPROGLN--LYASPSEPRAPASGLIUALAPALATHSER 159
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RESULT 14
/ Sequence 58, Application US/0909064
/ Patent No. 6818449
/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Baton Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Geber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kijavini, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,064
/ CURRENT FILING DATE: 2001-07-18

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1      PRIOR APPLICATION NUMBER: PCT/US00/04414
2      PRIOR FILING DATE: 2000-02-22
3      PRIOR APPLICATION NUMBER: US 60/143, 048
4      PRIOR FILING DATE: 1999-07-07
5      PRIOR APPLICATION NUMBER: US 60/145, 698
6      PRIOR FILING DATE: 1999-07-26
7      PRIOR APPLICATION NUMBER: US 60/146, 222
8      PRIOR FILING DATE: 1999-07-28
9      PRIOR APPLICATION NUMBER: PCT/US99/20594
10     PRIOR FILING DATE: 1999-09-08
11     PRIOR APPLICATION NUMBER: PCT/US99/20944
12     PRIOR FILING DATE: 1999-09-13
13     PRIOR APPLICATION NUMBER: PCT/US99/21090
14     PRIOR FILING DATE: 1999-09-15
15     PRIOR APPLICATION NUMBER: PCT/US99/21547
16     PRIOR FILING DATE: 1999-09-15
17     PRIOR APPLICATION NUMBER: PCT/US99/23089
18     PRIOR FILING DATE: 1999-10-05
19     PRIOR APPLICATION NUMBER: PCT/US99/28214
20     PRIOR FILING DATE: 1999-11-29
21     PRIOR APPLICATION NUMBER: PCT/US99/28313
22     PRIOR FILING DATE: 1999-11-30
23     PRIOR APPLICATION NUMBER: PCT/US99/28564
24     PRIOR FILING DATE: 1999-12-02
25     PRIOR APPLICATION NUMBER: PCT/US99/28565
26     PRIOR FILING DATE: 1999-12-02
27     PRIOR APPLICATION NUMBER: PCT/US99/30095
28     PRIOR FILING DATE: 1999-12-16
29     PRIOR APPLICATION NUMBER: PCT/US99/30911
30     PRIOR FILING DATE: 1999-12-20
31     PRIOR APPLICATION NUMBER: PCT/US99/30999
32     PRIOR FILING DATE: 1999-12-20
33     PRIOR APPLICATION NUMBER: PCT/US00/00219
34     PRIOR FILING DATE: 2000-01-05
35     NUMBER OF SEQ ID NOS: 423
36     SEQ ID NO 58
37     LENGTH: 2137
38     TYPE: DNA
39     ORGANISM: Homo sapiens
40     US-09-093-064-58

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Alignment Scores:			
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Score:	262.50	Matches:	75
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Best Local Similarity:	34.72%	Mismatches:	95
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Qy	4 MetArgSerArgValGlyThrLeuGlyLeuTTPValArgLeuLeuAlaValPheLeu 23		
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Db	464 ATGGAGAGCGGGGTGTGTGTGTGCACGATGAGATC-----CTGGCGGGCTGTGCTG 517		
Qy	24 LeuGlyValIlyrGlnIaIyrrProIlePheAerSerSerProLeuLeuGlnPhe----- 41		
		:::	
Db	518 GCCGTGGCGGG 577		
Qy	42 GlyGlyValIleArgGlnIyrrGlyLeuTTPThrAraPheArgGlnAer---ThiGlnAla 60		
		:::	
Db	578 GGGGACCCCATCGGGCTGG 637		
Qy	61 HisLeuGlnIleArgGlnAerGlyThrValIleGlyAlaValAlaHisValSerProGlnSer 80		
		:::	
Db	638 TTCCTGGGCAATCCGCTCCGACGG 697		
Qy	81 LeuLeuGlnIleuGlyAlaLeuGlySerProGlyValIleGlnIleGlnIleGlyValIleAlaSer 100		
		:::	
Db	698 TTCTGGAGATCAAGGACAGTCCGCTGGGGAGCCGGGGGGGGGGGGGGGGGGGGGGGGGGGG 75		
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 Sequence 58, Application US/09905381A
 Patent No. 6819746
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Deanoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavlin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/905,381A
 CURRENT FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15

GenCore version 5.1.6
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Run on: November 28, 2005, 11:00:31 : Search time 160.382 Seconds

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Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the chance being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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3	210	100.0	659	3	US-09-665-493B-6
4	30	14.3	643	3	US-09-725-805-3
5	30	14.3	1190	3	US-09-390-207-1
6	24	11.4	477	3	US-09-621-976-1353
7	8	3.8	42	6	PCT-US93-06171-33
8	8	3.8	42	6	PCT-US93-06171-33
9	8	3.8	63	2	US-08-194-981E-48

10	8	3.8	74	2	US-08-702-795-5	Sequence 5, Appli
11	8	3.8	168	3	US-09-058-260-33	Sequence 33, Appli
12	8	3.8	173	3	US-08-651-155B-57	Sequence 57, Appli
13	8	3.8	173	3	US-09-194-036B-57	Sequence 57, Appli
14	8	3.8	399	3	US-09-252-991A-2106	Sequence 2106, Ap
15	8	3.8	444	3	US-09-513-999C-1041	Sequence 1041, Ap
16	8	3.8	516	3	US-09-513-999C-1044	Sequence 1044, Ap
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20	8	3.8	601	3	US-09-949-016-18763	Sequence 18763, A
21	8	3.8	601	3	US-09-949-016-18811	Sequence 43812, A
22	8	3.8	601	3	US-09-949-016-18812	Sequence 43812, A
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24	8	3.8	601	3	US-09-949-016-18857	Sequence 43857, A
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39	8	3.8	1333	3	US-09-372-422A-9	Sequence 9, Appli
40	8	3.8	1434	3	US-09-640-211A-464	Sequence 464, App
41	8	3.8	1704	2	US-08-528-199-2	Sequence 2, Appli
42	8	3.8	1704	2	US-08-528-199-5	Sequence 5, Appli
43	8	3.8	1777	3	US-09-058-260-25	Sequence 25, Appli
44	8	3.8	1924	3	US-09-058-260-29	Sequence 29, Appli
45	8	3.8	2108	3	US-09-221-017B-305	Sequence 305, App

ALIGNMENTS

RESULT 1
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Sequence 3, Application US/09390207
Patent No. 6504530
GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 649
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(630)
US-09-390-207-3

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Score:	210.00	Matches:	210
Percent Similarity:	100.00%	Conservative:	0
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Qy      41 PheGlyGlnVal1ArgGlnArgTyLeuTyThrAspAspAspGlnAspThrGlnAla 60
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Qy      61 HisLeuGlnIleArgGlnAspGlyThrVal1Val1Ala1HisArgSerProGluSer 80
Db      181 CACCTGGAGATCAGGGAGATGAGACAGTGTGAGGCGACACACCGAGTCCAGAAAGT 240
Qy      81 LeuLeuGlnLeuLeuYsa1AlaLeuYsProGlyVal1IleGlnIleLeuGlnYVal1Ysa1Asp 100
Db      241 CTCTGGAGCTCAAAAGCTTGAAGCCAGGGGTCAATCAATCTGGGTCTCAAAAGCTCT 300
Qy      101 ArgPheLeuYsGlnGlnProAspGlyVal1AlaLeuTyGlySerProHisPheAspProGlu 120
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Qy      141 HisGlyLeuProLeuArgLeuProGlnYsaAspSerProAspGlnAspAlaThrSerTrp 160
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Qy      161 GlyProVal1ArgPheLeuProMetProGlyLeuLeuHisGlnProGlnAspGlnAlaGly 180
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Qy      181 PheLeuProProGlnProProAspVal1GlySerSerAspProLeuSerMetVal1GluPro 200
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RESULT 2

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; Sequence 1, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758.001/201130.408
; CURRENT APPLICATION NUMBER: US/09/715.805
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (14)...(646)
US-09-715-805-1
```

Alignment Scores:

```
Pred. No.: 9.6e-200
Score: 210.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
```

```
Length: 659
Matches: 210
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0
```

```
US-09-391-861-4 (1-210) x US-09-715-805-1 (1-659)
Qy      1 MetGlnTrpMetArgSerArgVal1GlyThrLeuGlyLeuTrpVal1ArgLeuLeuVala 20
Db      14 ATGGAATGGATGAGATCTAGAGTTGGAGCCCTGGGACTGTGGGTCCGACTGCTGGCT 73
Qy      21 ValPheLeuLeuGlyVal1TyrglnAlaTyProIleProAspSerSerProLeuLeuGln 40
Db      74 GTCTTCCTGGTGGGGGTCTACCAAGCATACCCCATCTCCAGCTCCAGCCCCCTCTCCAG 133
Qy      41 PheGlyGlnVal1ArgGlnArgTyLeuTyThrAspAspAspGlnAspThrGlnAla 60
Db      134 TTGGGGGTCAAGTCCGACAGAGTACCTTACACAGATGACGACCAAGCACTGAAGCC 193
Qy      61 HisLeuGlnIleArgGlnAspGlyThrVal1Val1Ala1HisArgSerProGluSer 80
Db      194 CACCTGGAGATCAGGGAGATGAGACAGTGTGAGGCGACACACCGAGTCCAGAAAGT 253
Qy      81 LeuLeuGlnLeuYsa1AlaLeuYsProGlyVal1IleGlnIleLeuGlnYVal1Ysa1Asp 100
Db      254 CTCTGGAGCTCAAAAGCTTGAAGCCAGGGGTCAATCAATCTGGGTCTCAAAAGCTCT 313
Qy      101 ArgPheLeuYsGlnGlnProAspGlyVal1AlaLeuTyGlySerProHisPheAspProGlu 120
Db      314 AGGTTCTTTGCCAACAGCCAGATGAGCTCTTATGATCGCTTCACTTGTATCTCTGAG 373
Qy      121 AlaCysSerPheArgGlnLeuLeuLeuGlnAspGlyTyraSnVal1TyrglnSerGlnAla 140
Db      374 GCCTGACGCTTCAGAGAACGCTGCTGAGAGACGGTTACAATGTGTACCAAGTCAAGACC 433
Qy      141 HisGlyLeuProLeuArgLeuProGlnYsaAspSerProAspGlnAspAlaThrSerTrp 160
Db      434 CATGGCTGCTCCCTGGTGTCTGCTTCAAGAGACTCCCAACCAAGATGCAACATCTCGG 493
Qy      161 GlyProVal1ArgPheLeuProMetProGlyLeuLeuHisGlnProGlnAspGlnAlaGly 180
Db      494 GGCCTGTGCTGCTTCTGCTCCATGCGAGGCTGCTCCAGAGCCCAAGACCAAGCAGAGA 553
Qy      181 PheLeuProProGlnProProAspVal1GlySerSerAspProLeuSerMetVal1GluPro 200
Db      554 TTCTGCCCCCAGAGCCCCAGATGTGGGCTCTGTGACCCCTGAGCATGTAGAGCT 613
Qy      201 LeuGlnGlyArgSerProSerTyra1AspSer 210
Db      614 TTACAGGGCCGAAGCCCAAGCTATGCTGCC 643
```

RESULT 3

```
US-09-665-493B-6
; Sequence 6, Application US/09665493B
; Patent No. 6943153
; GENERAL INFORMATION:
; APPLICANT: Manning, William C., Jr.
; APPLICANT: Dworki, Varavani J.
; APPLICANT: Rendahl, Katherine
; APPLICANT: Zhou, Shang-Zhen
; APPLICANT: McGee, Laura H.
; APPLICANT: Lau, Dana
; APPLICANT: Flannery, John G.
; APPLICANT: Miller, Sheldon
; APPLICANT: Wang, Fei
; TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
; FILE REFERENCE: PP1588.005 (20263.40)
; CURRENT APPLICATION NUMBER: US/09/665.493B
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Homo sapien
```

US-09-665-493B-6

Alignment Scores:

Pred. No.:	9.6e-200	Length:	659
Score:	210.00	Matches:	210
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-4 (1-210) x US-09-665-493B-6 (1-659)

```
QY 1 MetcLurTpmEaRgSerArVaIGlYThrLeuGlyLeuTrpValArgLeuLeuVala 20
DB 14 ATGAAATGATGATCTAGAGTTGGACCTGGGACGTGGGTCCGACTCTGCTGCT 73
QY 21 ValPheLeuLeuGlyValTYrGlnAlaTYrProIleProaPseSerProLeuLeuGln 40
DB 74 GTCTTCTGCTGGGGGTCTACCAAGCATACCCCATCTGACTCCAGCCCCCTCTCAG 133
QY 41 PheGlyGlyGlnValArgGlnArgTYrLeuTYrThrAspAspArgGlnAspThrGlnAla 60
DB 134 TTTGGGGGTCAAGTCCGCGAGAGGTACTCTACACAGATGACGACCAAGACTGAAGCC 193
QY 61 HisLeuGlnIleArgGluAspGlyThrValValGlnAlaHisAspSerProGluSer 80
DB 194 CACCTGAGATCAGGAGAGATGAAACAGTGTAGGCGACGACGCCAGTCCAGAAAGT 253
QY 81 LeuLeuGlnLeuValAlaLeuLysProGlyValIleGlnIleLeuGlyValLysAlaSer 100
DB 254 CTCTGGAGCTCAAGACCTTGAGCCAGAGGGGTCAATTCATGAGTGTGCTCAAGGCTCT 313
QY 101 ArgPheLeuCyseGlnGlnProAspGlyValAlaLeuTYrGlySerProHisPheAspProGlu 120
DB 314 AGGTTTCTTGGCCAAACGCGAGATGAGCTCTCATGATGATGCTCTCATTTGATCTGAG 373
QY 121 AlaCyseSerPheArgGluLeuLeuLeuGlnAspGlyTYrAsnValTYrGlnSerGlnAla 140
DB 374 GCTCTGAGCTTCAAGAACTCTGCTGAGGACGGTTTCAATGTGTACCACTTGAAGCC 433
QY 141 HisGlyLeuProLeuArgLeuProGlnLysAspSerProaGlnAspAlaThrSerTrp 160
DB 434 CATGGCCCTGGCCCTGCGCTGCTCTCAGAAAGACTCCCAACCAAGATGCAATCTCGG 493
QY 161 GlyProValArgPheLeuProMetProGlyLeuLeuHisGluProGlnAspGlnAlaGly 180
DB 494 GGAACCTGTGCGCTTCTGCTGCTCATGCGCTGCTCCAGGCCCAAGACCAAGCAGGA 553
QY 181 PheLeuProProGluProProAspValGlySerSerAspProLeuSerMetValGluPro 200
DB 554 TTCTTGCCCCCAGAGCCCCCAGATGTGGCTCTCTGACCCCTGAGCATGTGAGCCT 613
QY 201 LeuGlnGlyArgSerProSerTYrAlaSer 210
DB 614 TTACAGGGCCGAGACCCCAAGCTATGCTGCC 643
```

RESULT 4

```
US-09-715-805-3
; Sequence 3, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130, 408
; CURRENT APPLICATION NUMBER: US/09/715,805
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
```

ORGANISM: Homo sapiens

FEATURES:

NAME/KEY: CDS

LOCATION: (9)...(638)

US-09-715-805-3

Alignment Scores:

Pred. No.:	1.26e-20	Length:	643
Score:	30.00	Matches:	30
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	14.29%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-4 (1-210) x US-09-715-805-3 (1-643)

```
QY 116 HisPheAspProGlnAlaCyseSerPheArgGluLeuLeuGlnAspGlyTYrAsnVal 135
DB 351 CACTTTGACCTGAGGCTGCTGAGGAGCTCTTGTGAGACGATACAAATGTT 410
QY 136 TYrGlnSerGlnAlaHisGlyLeuProLeu 145
DB 411 TACCAATCCGAGACCCAGGCTTCCGCTG 440
```

RESULT 5

US-09-390-207-1

Sequence 1, Application US/09390207

Patent No. 6504530

GENERAL INFORMATION:

APPLICANT: Thomson, Arlen

TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides

FILE REFERENCE: 99-371

CURRENT APPLICATION NUMBER: US/09/390,207

NUMBER OF SEQ ID NOS: 41

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1

LENGTH: 1190

TYPE: DNA

ORGANISM: Homo sapiens

FEATURES:

NAME/KEY: CDS

LOCATION: (142)..(771)

US-09-390-207-1

Alignment Scores:

Pred. No.:	2.24e-20	Length:	1190
Score:	30.00	Matches:	30
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	14.29%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-4 (1-210) x US-09-390-207-1 (1-1190)

```
QY 116 HisPheAspProGlnAlaCyseSerPheArgGluLeuLeuGlnAspGlyTYrAsnVal 135
DB 484 CACTTTGACCTGAGGCTGCTGAGGAGCTCTTGTGAGACGATACAAATGTT 543
QY 136 TYrGlnSerGlnAlaHisGlyLeuProLeu 145
DB 544 TACCAATCCGAGACCCAGGCTTCCGCTG 573
```

RESULT 6

US-09-621-976-1353

Sequence 1353, Application US/09621976

Patent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621.976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO: 1353
LENGTH: 477
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 169..423
NAME/KEY: sig_peptide
LOCATION: 169..252
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 11.300001907349
OTHER INFORMATION: seq SVLAGLLGACQA/HP
NAME/KEY: misc_feature
LOCATION: 207
OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1353

Alignment Scores:
Pred. No.: 8.86e-15 Length: 477
Score: 24.00 Matches: 24
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.43% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-621-976-1353 (1-477)

QY 31 ProIIProaspSerSerProleuLeuGlnpheGlyGlyValArgGlnArgTyrleu 50
Db 256 CCATCCCTGAYCCAGTCCTCTCCGCAATCGGGGCGCAAGTCCGCGAGGTACTCT 315
QY 51 TyTThAspAsp 54
Db 316 TACACAGATGAT 327

RESULT 7
US-07-908-317-33
Sequence 33, Application US/07908317
Patent No. 5420027
GENERAL INFORMATION:
APPLICANT: FISHER, CHARLES W.
APPLICANT: BARNES, HENRY J.
APPLICANT: ESTABROOK, RONALD W.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: THE EXPRESSION OF BIOLOGICALLY
TITLE OF INVENTION: ACTIVE FUSION PROTEINS COMPRISING A
TITLE OF INVENTION: EUKARYOTIC CYTOCHROME P450 FUSED TO
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESS: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/908,317
FILING DATE: 19920702
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165

REFERENCE/DOCKET NUMBER: UTSD:292/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
US-07-908-317-33

Alignment Scores:
Pred. No.: 7.5 Length: 42
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 2 Gaps: 0

US-09-391-861-4 (1-210) x US-07-908-317-33 (1-42)

QY 17 LeuIleuAlaValpheLeu 24
Db 7 CTGTATTAGCAGTTTCTTCTC 30

RESULT 8
PCT-US93-06171-33
Sequence 33, Application PC/TUS9306171
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: FUSION PROTEINS COMPRISING
TITLE OF INVENTION: EUKARYOTIC CYTOCHROME P450 FUSED TO
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESS: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/06171
FILING DATE: 19930629
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/908,317
FILING DATE: 02 July 1992
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:292/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
PCT-US93-06171-33

Alignment Scores: 7.5 Length: 42
Pred. No.: 7.5 Length: 42

Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 6 Gaps: 0

US-09-391-861-4 (1-210) x PCT-US93-06171-33 (1-42)

OY 17 LeuleuleuAlaValPheLeuleu 24
DB 7 CTGTATTAGCAGTTTCTTCTC 30

RESULT 9

US-08-194-981E-48
; Sequence 48, Application US/08194981E
; Patent No. 5686157
; GENERAL INFORMATION:
; APPLICANT: GUENGERICH, F. Peter
; APPLICANT: GUO, Zuyu
; APPLICANT: SANDHU, Punam
; APPLICANT: GILLAM, Elizabeth M. J.
; TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
; TITLE OF INVENTION: HUMAN
; TITLE OF INVENTION: CYTOCHROME P450
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, 127 Peachtree Street, NE
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/194,981E
; FILING DATE: February 10, 1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth Selby
; REGISTRATION NUMBER: 38,298
; REFERENCE/DOCKET NUMBER: 22000.0022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 63 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-194-981E-48

Alignment Scores:

Pred. No.: 11 Length: 63
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 2 Gaps: 0

US-09-391-861-4 (1-210) x US-08-194-981E-48 (1-63)

OY 17 LeuleuleuAlaValPheLeuleu 24
DB 16 CTGTATTAGCAGTTTCTTCTC 39

RESULT 10
US-08-702-795-5
; Sequence 5, Application US/08702795
; Patent No. 5668000
; GENERAL INFORMATION:
; APPLICANT: Akiyoshi, Megumi
; APPLICANT: Yabasaki, Yoshiyaeu
; APPLICANT: Sakaki, Toshiyuki
; APPLICANT: Okawa, Hideo
; TITLE OF INVENTION: Mitochondrial P450
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 301 N. Washington Street
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,795
; FILING DATE: 26-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/420,799
; FILING DATE:
; APPLICATION NUMBER: US/08/097,922
; FILING DATE:
; APPLICATION NUMBER: US 07/765,941
; FILING DATE: 26-SEP-1991
; APPLICATION NUMBER: JP 258262/90
; FILING DATE: 24-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 34-175P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 241 1300
; TELEFAX: 703 241 2848
; TELEX: 24834E
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-702-795-5

Alignment Scores:

Pred. No.: 12.8 Length: 74
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 2 Gaps: 0

US-09-391-861-4 (1-210) x US-08-702-795-5 (1-74)

OY 17 LeuleuleuAlaValPheLeuleu 24
DB 24 CTGCTCTGCTGCTGCTTCTGCTC 47

RESULT 11

US-09-058-260-33
; Sequence 33, Application US/09058260B
; Patent No. 6218167
; GENERAL INFORMATION:
; APPLICANT: Allen, Larry

Tue Nov 29 11:50:33 2005

APPLICANT: Atkins, John
APPLICANT: Fongstein, Michael
APPLICANT: Vonsstein, Veronika
APPLICANT: Demitjian, David
APPLICANT: Casadaban, Malcolm
TITLE OF INVENTION: Stable Biotocatalysts for Ester Hydrolysis
FILE REFERENCE: 95-963-H
CURRENT APPLICATION NUMBER: US/09/058, 2608
EARLIER FILING DATE: 1999-04-10
EARLIER APPLICATION NUMBER: 60/001, 995
EARLIER FILING DATE: 1996-08-07
EARLIER APPLICATION NUMBER: 60/009, 704
EARLIER FILING DATE: 1996-01-11
EARLIER APPLICATION NUMBER: 60/019, 580
EARLIER FILING DATE: 1996-06-12
EARLIER APPLICATION NUMBER: 08/694, 078
EARLIER FILING DATE: 1996-08-08
EARLIER APPLICATION NUMBER: 08/781, 802
EARLIER FILING DATE: 1997-01-10
EARLIER APPLICATION NUMBER: 08/827, 810
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 33
LENGTH: 168
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: partial clone
US-09-058-260-33

Alignment Scores:
Pred. No.: 27.7 Length: 168
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-058-260-33 (1-168)

QY 181 PheLeuProGluProGlyProCasp 188
DB 117 TTTTGGCCGCCGGAACCGCCGCAT 140

RESULT 12
US-08-651-155B-57/C
Sequence 57, Application US/08651155B
Patent No. 6365401
GENERAL INFORMATION:
APPLICANT: Mahan Dr., Michael J.
APPLICANT: Conner Mr., Christopher P.
APPLICANT: Hiethoff Mr., Douglas M.
TITLE OF INVENTION: METHOD AND PROBS FOR THE IDENTIFICATION
OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
INFECTION
TITLE OF INVENTION: OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
NUMBER OF SEQUENCES: 255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chrisman, Bynum & Johnson, P.C.
STREET: 1900 Fifteenth Street
CITY: Boulder
STATE: CO
COUNTRY: USA
ZIP: 80302
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,155B
FILING DATE: 17-MAY-1996

CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Petersen Mr., Steven C.
REGISTRATION NUMBER: 36,238
REFERENCE/DOCKET NUMBER: 17060.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/546-1300
TELEFAX: 303/449-5426
TELEX: ABAL475
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 173 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-651-155B-57

Alignment Scores:
Pred. No.: 28.5 Length: 173
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-08-651-155B-57 (1-173)

QY 165 PheLeuProMetProGlyLeuLeu 172
DB 130 TTCCTGCCGATGCCGGCGCTTTG 107

RESULT 13
US-09-194-036B-57/C
Sequence 57, Application US/09194036B
Patent No. 6548246
GENERAL INFORMATION:
APPLICANT: Mahan, Michael J.
Conner, Christopher P.
Hiethoff, Douglas M.
TITLE OF INVENTION: METHOD AND PROBS FOR THE IDENTIFICATION
OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
INFECTION
NUMBER OF SEQUENCES: 255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Mountain View
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/194,036B
FILING DATE: 17-NO. 6548246-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/08208
FILING DATE: 1997-05-16
APPLICATION NUMBER: US 08/651,155
FILING DATE: 1996-05-17
ATTORNEY/AGENT INFORMATION:
NAME: Shantanu Basu
REGISTRATION NUMBER: 43,318
REFERENCE/DOCKET NUMBER: 220002060601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5995

TELEFAX: (650) 494-0792
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 173 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
HYPOTHETICAL: NO
ANTI-SENSE: YES
ORIGINAL SOURCE:
ORGANISM: DNA (other)
SEQUENCE DESCRIPTION: SEQ ID NO: 57:
US-09-194-0368-57

Alignment Scores:
Pred. No.: 28.5 Length: 173
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-194-0368-57 (1-173)

OY 165 PhaeuPrometProglyLeuLeu 172
DB 130 TTCTGCGGATCGCGGCGCTTTG 107

RESULT 14
US-09-252-991A-2106/c
Sequence 2106, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 2106
LENGTH: 399
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-2106

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Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-252-991A-2106 (1-399)

OY 36 SerProLeuEngInpNeglyGly 43
DB 318 TCCCACTCCTGCGGCGGCGC 295

RESULT 15
US-09-513-999C-1041/c
Sequence 1041, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J. B.
APPLICANT: Duclet, A.
APPLICANT: Giordano, J. Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

Patent No. 6783961
FILE REFERENCE: 59 US2, 99C
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 1041
LENGTH: 444
TYPE: DNA
ORGANISM: Homo sapiens
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NAME/KEY: CDS
LOCATION: 222..443
FEATURE:
NAME/KEY: misc_feature
LOCATION: 139
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 212
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 215
OTHER INFORMATION: y=c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 218
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 227
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 236
OTHER INFORMATION: y=c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 242
OTHER INFORMATION: y=c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 269
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 272
OTHER INFORMATION: m=a or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 293
OTHER INFORMATION: y=c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 309
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 318
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FEATURE:
NAME/KEY: misc_feature
LOCATION: 322
OTHER INFORMATION: m=a or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 324
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature

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/ LOCATION: 360
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/ NAME/KEY: misc_feature
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/ NAME/KEY: misc_feature
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/ NAME/KEY: UNSURE
/ LOCATION: 30
/ OTHER INFORMATION: Xaa=Asp or His
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/ OTHER INFORMATION: Xaa=Pro or Gln
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/ LOCATION: 35
/ OTHER INFORMATION: Xaa=Gly or Arg
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/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 47
/ OTHER INFORMATION: Xaa=Gly or Arg
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 53
/ OTHER INFORMATION: Xaa=Cys or Arg
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 61
/ OTHER INFORMATION: Xaa=His or Tyr
/ US-09-513-999C-1041

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Alignment Scores:
Pred. No.: 69.2 Length: 444
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

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US-09-391-861-4 (1-210) x US-09-513-999C-1041 (1-444)
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Db 132 CTTCTGCGCTTCTTCTGCGC 109

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Search completed: November 28, 2005, 13:37:31
 Job time : 162.382 secs